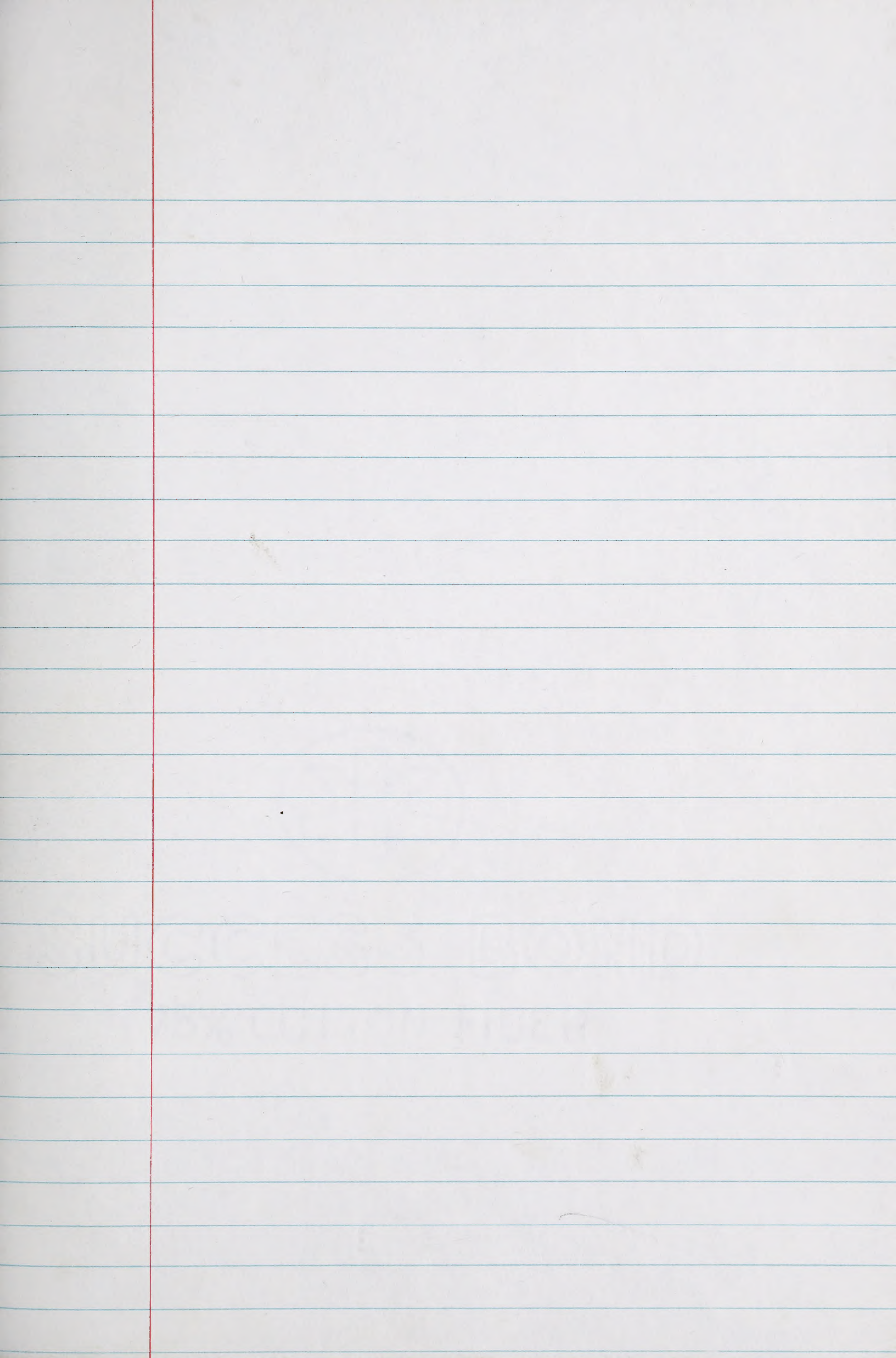


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LIDICKER, WILLIAM Z.

California : Misc. Cos., San Diego Co.;
Mexico : Chihuahua - Aguascalientes,
Baja California, Miscellaneous.

October, 1957 - July, 1959.

Catalogue Nos. 1394-2218

Lidicker, N. Nos. 19-204

Marler, P. R. Nos. 1-10

Journal

Catalogue



LIDICKER
1957

Pfeiffer-Big Sur State Pk., Monterey Co., California

Oct. 20

1394. ♂ *Sorex townsendi montereyensis* 123-51-14-9

5 mile Kern R., 11 mi. ENE Bakersfield, Kern Co., California

Nov. 29

1395. ♂ *Peromyscus maniculatus*

testes 9 mm.

166-79-21-17

LACT., 2 emb. x 4 mm.

1396. ♀

171-75-20.5-16

4 mi. NE Caliente, Kern Co., California

Nov. 30

1397. ♀ *Sorex ornatus*

no emb.

100-39-13-8

1398. ♂ *Peromyscus californicus*

185-102-24-11

no emb.

1399. ♀

211-122-25.5-12

1 1/2 mi. SE Simmler, Carrizo Plain, San Luis Obispo Co., Calif.

Dec. 1

1400. ♀ *Dipodomys nitratoides*

LACT, no emb.

226+-121+-35-13

1401. ♂

testes 10 mm; SV. 12 mm.

252-148-36-14

1402. ♂

testes 10 mm; SV. 15 mm.

248-144-35.5-13

1403. ♂

testes 11 mm; SV. 13 mm.

248-145-35.5-14

1404. ♂

testes 10 mm; SV. 5 mm.

234-132-36-13

1405. ♂

testes 11 mm; SV. 15 mm.

262-147-36-14

4 mi. NE Caliente, Kern Co., California

Nov. 30

1406. ♂ *Peromyscus* ~~*boylii*~~ *californicus* *mariposae*

testes 10 mm; SV. 14 mm.

260-143-27.5-25

1407. ♀

no emb., lact.

252-133-27-25

1408. ♀

no emb., late lact.

273-147-28-25.5

1409. ♂

sewn on tail tip taken in
nearby trap

testes 6 mm

133+-32+-23-18

~~*maniculatus*~~
boylii rowleyi

LIDICKER

1957

+
1958

4 mi. NE Caliente, Kern Co., California

Nov. 30

1410. ♀ *Peromyscus maniculatus* ^{boylii} ~~boylii~~ ^{boylii}

no emb.

211-112-22-20

testes 4 mm.

1411. ♂

183+-86+-22.5-19

testes 10 mm.

1412. ♂ *Neotoma fuscipes* ^{simplex}

379-176-37-33

3 mi. S, 1 1/4 mi. E San Benito, San Benito Co., Calif.

Dec. 30

1413. ♀ *Perognathus californicus* ^{harrisi}

no emb.

199-109-25-12.5

testes 11 mm., epid. enlarged

1414. ♂ *Dipodomys heermanni* ^{gambelii}

320-196-44-18

no emb.; ovaries with c.l.

1415. ♀

299-177-43-17

recent parturition of 5 emb. or reabsorbing

1416. ♀ *Peromyscus maniculatus* ^{gambelii}

167-72-20-18

testes 9 mm.

1417. ♂

158-68-21-16

6 1/2 mi. S, 4 1/2 mi. E San Benito, San Benito Co., Calif.

Dec. 30

1418. ♂ *Peromyscus maniculatus* ^{gambelii}

testes 6 mm.

164-71-21-17

1419. ♀ *Neotoma fuscipes* ^{4 3/4 mi. SE}

imp., no emb.

(large warble on throat) 404-198-40.5-35

~~4 1/4 mi. S, 1 1/2 mi. E~~ San Juan Bautista, San Benito Co., Calif.

Feb. 2, 1958

1420. ♂ *Thomomys bottae* ^{harrisi}

testes 14x10 mm.; epid. large

quite fat.

242-71-30-9

5 1/2 mi. N Banner, San Felipe Valley, San Diego Co., Calif.

March 31

1421. ♂ *Perognathus longimittis* ^{harrisi}

testes 5 mm.

137-70-17.5-7

1422. ♂

testes 5 mm.

133-69-18-7.5

1423. ♂ *Dipodomys agilis*

testes 4.5 mm.

241-140-42.5-16

1424. ♀ *Peromyscus maniculatus*

emb. x 14 mm.

171-74-20-17

1425. ♂

testes 10 mm.

166-72-21-18

LIDICKER
1958

2 1/10 mi W. Yagui Well, Yagui Well Valley, San Diego Co., Calif.

April 1

1426. ♀ *Perognathus* ~~fallax~~ *penicillatus argutus* no emb, ov. imm. 189-100-24-9
1427. ♀ " *baileyi* ~~longi~~ no emb, ~8 scars. 207-115-26-10
1428. ♂ " *penicillatus argutus* testes 9 mm. 182-99-23-8
1429. ♂ " *spiratus* ~~californicus~~ ~~reflexus~~ testes 10 mm. 186-108-21.5-9
1430. ♂ " *fallax* ~~gambeli~~ testes 10 mm. 188-105-23-10
1431. ♂ " " " testes 8 mm. 177-103-23-9
1432. ♂ *Peromyscus eremicus* testes 15 mm. 169+-81+-20.5-18
1433. ♂ *Perognathus* ~~fallax~~ *baileyi* ~~longi~~ testes 6.5 mm. 187-103-23.5-9

2 1/4 mi. S, 3 3/4 mi. E Agua Caliente, Vallejo Valley, San Diego Co., Calif.

April 2

1434. ♂ *Dipodomys merriami* testes 10 mm. 244-146-39-15
1435. ♂ " " testes 10 mm. 237-141-38.5-14

1/4 mi. S Jacumba, San Diego Co., California

April 3

1436. ♀ *Dipodomys agilis californicus* no emb, lact. 276-168-~~35~~⁴⁰-17.5

1 mi. W Jacumba, San Diego Co., California

April 3

1437. ♂ *Dipodomys agilis californicus* testes 10 mm. 291-178-44-17.5

3 mi. NW Jacumba, San Diego Co., California

Apr. 3

1438. ♀ *Neotoma lepida* lact., no emb., but recent parturition 288-138-33-29
1439. ♂ *Peromyscus* ~~eremicus~~ testes 8 mm. 158-79-21-17
1440. ♂ " *eremicus* testes 14 mm. 188-97-21-19

LIDICKER

1958

Carrizo Canyon, 6.9 mi. S, 2 1/10 mi. E Mountain Palm Spgs., San Diego Co., Calif.

April 4

1441. ♀ *Perognathus longirostris* ~~longirostris~~ *spinatus* 3 emb. x 12 mm. + 2 recent. 98+38+-18-7
1442. ♂ " ~~californicus~~ *spinatus* testes 7 mm. 156-84-20.5-8.5
1443. ♂ " *penicillatus* testes 8.5 mm. 164-90-22.5-9
1444. ♂ " " testes 9 mm. 162+-82+-23.5-9
1445. ♀ *Pipobonyx merriami* 10 emb, vulva swollen 229-132-37-135
1446. ♀ *Peromyscus eremicus* 4 emb x 5 mm, lact. 202-109-21.5-20
1447. ♂ " " testes 14 mm. 199-111-20.5-18
1448. ♀ *Neotoma lepida* 4 emb x 20 mm. 309-143-30-32
1449. ♂ *Peromyscus eremicus* testes 14 mm. 200-109-22-18

7 mi. WSW Cucuktemoc,

Chihuahua

June 22

1450. ♀ *Peromyscus truei* 2 dl. eggs, no emb. 182-93-22-20.5
1451. ♂ *Reithrodontomys megalotis* testes 8 mm. 140-73-17-14
1452. ♂ " " testes 9 mm. 143-70-17-14

June 23

1453. ♂ *Perognathus* ~~lepidus~~ *lepidus* testes 5 mm. 164-78-24-11
1454. ♂ *Sigmodon minimus* testes 13 mm. 239-96-28-18
1455. ♀ " *ochrognathus* 3 emb x 34 mm. 209-92-25-17
1456. ♂ *Reithrodontomys megalotis* 172-92-19-15.5
1457. ♀ " " 3 emb x 19 mm. 178-97-19-17
1458. ♂ *Peromyscus truei* testes 12 mm. 176-83-21-18
1459. ♀ " " 4 emb x 13 mm. 205-107-23-23
1460. ♀ " *maniculatus* no emb. 176-78-22.5-18
1461. ♂ *Thomomys bottae* testes 17 mm. 202-52-29-6



LIDICKER
1958

7 mi. WSW Cuauhtemoc, Chihuahua, Mexico

June 23

1462. ♀ *Thomomys bottae*

no emb.

196-52-26-6

June 24

1463. ♀ *Perognathus hispidus*

no emb.

188-94-26-13

1464. ♂ *Peromyscus*

testes 4 mm.

100-43-15-11.5

1465. ♂ *Oryzomys leucogaster*

testes 20 mm.

136-47-21-16

15 mi. N Ciudad Camargo, Chihuahua, Mex.

June 25

1466. ♂ *Perognathus*

testes 9 mm.

182-96-23-8

1467. ♀ "

no emb.

178-99-23-7

1468. ♂ *Dipodomys merriami*

testes 10 mm.

242-138-39-13

1469. ♀ " "

no emb.

245+-141+-39-13

1470. ♀ " "

no emb.

204+-103+-36-14

1471. ♂ *Neotoma albigula*

testes 18 mm.

326-140-31-27

1.5 mi. N Boquilla de Conchos, 14 mi. SW Cd. Camargo, Chihuahua

June 26

1472. ♀ *Perognathus*

no emb.

166-95-21-7.5

1473. ♀ *Peromyscus eremicus*

no emb.

173-91-20-17.5

1474. ♀ " "

no emb., lact.

208-111-20-

1475. ♂ " "

194+-99+-22-19.5

1476. ♂ *Thomomys bottae*

testes 12 mm.

215-65-29.5-7

1477. ♂ " "

testes 14 mm.

217-68-27-6

1478. ♀ " "

no emb.

205-63-28-6

3 mi. NNW Hidalgo del Parral, Chihuahua, Mex.

June 27

1479. ♂ *Dipodomys spectabilis*

testes 11 mm.

357-215-51-17

LIDICKER
1958

3 mi. NNW Hidalgo del Parral,

June 27

1480. ♂ *Dipodomys spectabilis*

3.7 mi. by road S La Cuesta,

June 28

1481. ♂ *Perognathus velox*

1482. ♂ " "

1483. ♂ " "

1 mi. N Cerro Gordo, 18 mi. N Durango,

June 28

1484. ♂ *Citellus*

S side Mil Dias, 1 mi. NW El Salto,

June 29

1485. ♂ *Peromyscus*

1486. ♀ "

1487. ♀ "

June 30

1488. ♂ *Peromyscus*

1489. ♂ "

1490. ♂ "

1491. ♂ "

1492. ♂ *Eutamias*

July 1

1493. ♀ *Peromyscus*

1494. ♂ *Neotoma*

1495. ♀ *Eutamias*

Chihuahua, Mex.

testes 10 mm.

335-197-53-17

Durango, Mex.

testes 8 mm.

177-98-23-10

testes 7 mm.

159-90-23.5-9

testes 8 mm.

173-98-23-9

Durango, Mexico

testes 21 mm.

242-79-31-11

Durango, Mex.

testes 12 mm.

181-90-23-19

lact. no emb.

198-103-24-25

lact. 3 pl. scars.

190-100-23.5-22

testes 12 mm.

203-109-23-25

testes 14 mm.

194-102-23-23.5

testes 13 mm.

181-92-23-24

testes 13 mm.

176-90-24-25

testes 19 mm.

241-100-36-21

lact. no emb.

207-108-23.5-24

testes 5 mm.

204-82-31-23

lact. no emb.

239-93-35-22

LIDICKER

1958

5 side Mil Dias, 1 mi. NW El Salto, Durango, Mex.

July 1

1496. ♀ *Eutamias*

lact, no subs.

239-95-35.5-21

1497 ♀ flycatcher *Contopus pertinax*

vicinity Mil Dias, 1 mi. NW El Salto, Durango, Mex.

June 30

(gift from Mexicans)
testes 5 mm.

1498. ♂ *Sylvilagus*

203-21-55-42

1½ mi. NW Mil Dias, 3 mi. NW El Salto, Durango, Mex.

July 2

1499. ♂ *Sorex*

testes 1.5 mm.

102-45-13.5-7.5

1500. ♂ "

testes 1.5 mm.

108-42-13.5-7.5

1501. ♀ "

no subs, lact.

944-27+ -13.5-8

1502. ♀ *Peromyscus*

no subs.

221-120-24.5-25

1503. ♂ "

testes 12 mm.

239-133-26-24

1504. ♂ "

testes 4.5 mm.

199-110-25-22

1505. ♀ "

no subs.

174-96-24-22

1506. ♀ *Neotoma*

lact., 2 reabs. subs. 9 mm.

2404-59+ -32.5-28

1507. ♀ *Mephitis mephitis*

lact, no subs.

628-331-61-32

July 3

1508. ♂ *Sorex*

testes 6 mm, acc. organs well dev.

113-42-13.5-8

1509. ♀ "

no subs.

106-41-14-7

5 side Mil Dias, 1 mi. NW El Salto, Durango, Mex.

July 3

1510. ♀ *Peromyscus*

lact, no subs.

198-87-23-19.5

1511. ♀ "

no subs.

239-131-27-22

1512. ♀ "

no subs.

230-111-26.5-23

1513. ♂ *Sylvilagus*

testes 9 mm.

head + skull 5.2

230+ -13+ -65-41

LIDICKER

1958

1 mi NNW Mil Dias, 2 mi NW El Salto, Durango, Mex

July 3

1514. ♀ *Citellus variegatus*

no emb

467+174+62-26

2 mi. NE El Salto, Durango, Mex.

July 4

1515. ♂ *Peromyscus*

test. 14 mm.)

211-108-25-25

1516. ♂ "

194-97-23-24.5

test. 14 mm.

1517. ♂ "

190-93-22.5-24

lact., 4 emb. x 14 mm

1518. ♀ "

159+-58+22.5-23.5

test. 13 mm)

1519. ♂ "

203-105-24-24

5 1/2 mi. SE Nombre de Dios, Durango, Mex.

July 4

1520. ♂ *Citellus*

testes 22 mm.

228-68-34-11

4 1/2 mi. E Fresnillo, Zacatecas, Mex

July 6

1521. ♀ *Perognathus*

no emb, vag. plug. 46

104-~~54~~-16-6

1522. ♂ "

testes 4 mm

96-42-15.5

1523. ♂ "

testes 6 mm.

107-47-15-6

1524. ♂ "

testes 6 mm.

112-49-15.5-6

1525. ♀ *Dipodomys merriami*

SKULL ONLY

no emb, vag. plug.

214+-118+-38-13

1526. ♀ "

no emb

237-137-38-14

1527. ♂ "

testes 6 mm.

245-135-39-14

1528. ♀ "

2 emb x 14 mm.

251-147-39-14

1529. ♂ *Peromyscus maniculatus*

testes 10 mm

155-64-21-16

July 7

1530. ♀ *Perognathus*

no emb.

107-49-16.5-6

1531. ♂ "

testes 3 mm.

SKULL ONLY

90+-33+-16.5-

DELILKER

1958

4 1/2 mi. E Fresvillo, Zacatecas, Mex

July 7

1532. ♀ *Dipodomys merriami*

2 emb x 3 mm.

245-148-39.5-14

1533. ♂ " "

testes 5 mm.

217-124-38.5-13

1534. ♀ " "

no emb.

219-130-39-13

1535. ♀ " "

no emb.

249-150-38-13

1536. ♂ " *spectabilis*

testes 10 mm.

330-191-52-17

1537. ♂ *Citellus*
Tapazala

testes 20 mm.

232-70-35-11

2 mi. E ~~Panola~~, .2 mi. S, 11 3/4 mi. E Rincón de Romos, Agsc.

July 8

1538. ♀ *Peromyscus*

no emb. 20.5

167-89-17-17

1539. ♂ " "

testes 9 mm.

180-96-21-17.5

1540. ♂ " "

testes 12 mm.

185-97-22-19

1541. ♀ " "

2 emb x 6 mm.

191-102-22-18

1542. ♀ *Myotis*
Tapazala

88-41-8-14

2 1/4 mi. E ~~Panola~~, .2 mi. S, 12 mi. E Rincón de Romos, Agsc.

July 9

1543. ♀ *Dipodomys ornatus*

no emb.

261-161-40.5-14

1544. ♀ *Peromyscus*
Tapazala

lact., 1 emb. x 15 mm.

SKULL ONLY

190-95-22- —

2 mi. E ~~Panola~~, .2 mi. S, 11 3/4 mi. E. Rincón de Romos, Agsc.

July 9

1545. ♀ *Perognathus*

lact, no emb.

180-99-21.5-8

1546. ♂ " "

testes 7 mm.

184-108-23.5-7

1547. ♀ " "

no emb.

171-102-23.5-8

1548. ♂ *Dipodomys merriami*

testes 5 mm.

246-152-39-13

1549. ♂ *Peromyscus*

testes 11 mm.

162-68-23-22

1550. ♂ " "

testes 10 mm.

184-96-21-18



1958

Tepetzalá
2 mi. E ~~Panula~~ $\frac{2}{10}$ mi. S, $11\frac{3}{4}$ mi. E Rincón de Romos, Agac.

July 9

1551. ♀ *Peromyscus*

no emb.

186-97-23-21

Mine above San Pedro de Cobre, $\frac{2}{10}$ mi. S, 12 mi. E Rincón de Romos, Agac.

July 9

1552. ♂ *Corynorhinus*

testes 5 mm.

103-47-11-36.5

Tepetzalá
2 mi. E ~~Panula~~ $\frac{2}{10}$ mi. S, $11\frac{3}{4}$ mi. E Rincón de Romos, Agac. Mex.

July 10

1553. ♂ *Reithrodontomys*

testes 7 mm.

133-69-16.5-13

1554. ♂ *Perognathus*

testes 6 mm.

170-92-22-7.5

1555. ♀

"

177-96-22.5-8

Tepetzalá
 $2\frac{1}{4}$ mi. E ~~Panula~~ $\frac{2}{10}$ mi. S, 12 mi. E Rincón de Romos, Agac. Mex.

July 10

1556. ♂ *Perognathus*

~~testes 7 mm.~~

177-99-22.5-8

1557. ♀

"

no emb.

178-96-22.5-8

1558. ♀

"

+ pl. acc.

172-91-22-8

1559. ♂

"

testes 8 mm.

171+85+-23-8

1560. ♀

"

no emb.

174-95-22-8.5

1561. ♀

"

no emb.

SKULL ONLY 181-100-23-7.5

1562. ♂ *Peromyscus*

testes 11 mm.

199-106-21-18

1563. ♂

"

testes 11 mm.

195-107-22-19.5

1564. ♂ *Neotoma*

Tepetzalá

testes 15 mm.

367-167-39-31

2 mi. E ~~Panula~~ $\frac{2}{10}$ mi. S, $11\frac{3}{4}$ mi. E Rincón de Romos, Agac.

July 10

1565. ♂ *Peromyscus*

testes 10 mm.

199-104-22-19



LIDICKER

1958

$\frac{1}{3}$ mi. S, $1\frac{1}{4}$ mi. E Rincon de Romos, Aguc. Mex.

July 11

1566. ♂ *Perognathus*

testes 7 mm.

219-54-16.5-6.5

1567. ♂ "

209-51-16-6

1568. ? *Oreophobus* ^{macrurus} ~~macrurus~~

SKULL ONLY (pick up from decayed carcass)

1569. ♂ *Melospiza asiatica* - wh. w. dove.

1570. ♀

- mourning dove

July 12

1571. ♂ *Perognathus*

testes 6 mm.

118-55-16.5-6.5

July 11

1572. ♂ *Centurus*

golden fr. woodpecker.

$\frac{1}{3}$ mi. NW Ciudad de los Niños, 7 mi. WSW Aguascalientes, Aguc.

July 13

1573. ♂ *Perognathus*

testes 9 mm.

185-102-22.5-8

1574. ♀ "

no emb.

173-100-21.5-8

1575. ♀ "

no emb.

159-84-21.5-8

1576. ♂ "

testes 6 mm.

112-51-15.5-6

1577. ♀ "

no emb.

SKULL ONLY

179-103- - -

1578. ♀ *Reithrodontomys*

1 emb x 12 mm + 2 smaller.

103-92-19-14

1579. ♂ *Dipodomys ornatus*

pouches full of green leaves; testes 13 mm

285-181-41.5-15

$5\frac{1}{2}$ mi. W Calvillo, Aguascalientes, Mex.

July 14

1580. ♂ *Perognathus*

testes 7 mm.

186-109-22-9.5

1581. ♂ "

testes 7 mm.

191-111-23-9

1582. ♂ "

testes 7 mm.

186-109-22.5-8

1583. ♂ "

testes 8 mm.

187-107-23-8.5

1584. ♂ *Peromyscus maniculatus*

testes 7.5 mm.

SKULL ONLY

137-59-20-17

1958

5 1/2 mi. W Calvillo, Agac., Mex.July 141585. ♂ *Dipodomys ornatus*

teeth 12 mm.

302-189-44-17

1 km. S La Labor, 9 mi. by road N Calvillo, Agac., Mex.July 151586. ♀ *Perognathus*

no emb.

172-98-21.5-8

1587. ♀ "

no emb.

160-89-20-8

1588. ♀ "

no emb.

169-97-21.5-7.5

1589. ♂ *Peromyscus*

teeth 10 mm.

206-112-21-18

1590. ♂ "

teeth 9 mm.

198-111-21-18

1591. ♀ *Perognathus*

no emb.

103-45-16-5.5

~~1592~~July 161592. ♂ *Perognathus*

teeth 7 mm.

115-54-16.5-6

1593. ♀ "

no emb.

166-96-22.5-8

1594. ♂ "

teeth 8 mm.

154+-77+-22-8

1595. ♀ *Heteromys*

no emb.

135+-22+-32-15.5

2 mi. N Calvillo, Aguascalientes, Mex.July 171596. ♂ *Perognathus*

teeth 6 mm.

131+-56+-22.5-8

1597. ♀ "

no emb.

SKULL ONLY 165-91-21- —

1598. ♂ *Dipodomys ornatus*

teeth 12 mm.

284-178-41.5-15

1599. ♀ *Neotoma albigula*

lact., 1 emb X 8 mm.

338-148-38-31

5 mi. by road N Calvillo, Agac., Mex.July 161600. ♀ *Citellus variegatus*

no emb.

479-204-60-27

DICKER

1958

2 mi. N Calvillo, Aguascalientes, Mex.

July 17

1601 ♀ *Lepus californicus*

sect, 3 emb. x 102 mm.

575-76-115-142

July 18

1602. ♀ *Perognathus*

no emb.

173-102-22.5-8

1603. ♀ "

no emb.

185-104-23-8.5

1604 ♀ *Peromyscus difficilis*

no emb.

233-135-28-22

1605. ♂ *Dipodomys ornatus*

testes 10 mm.

266-165-40-14

1606. ♀ *Neotoma albigula*

last, no emb.

348-162-39-31

4 mi. E state boundary, 8 mi. SW Calvillo, Aguascalientes, Mex.

July 19

1607. ♀ *Perognathus*

no emb.

171-100-21.5-8

1608. ♀ *Peromyscus*

no emb., last.

202-113-20-18

1609. ♀ "

no emb.

211-117-21-19

1610. ♂ "

testes 10 mm.

186-99-21.5-18

1611. ♀ *Lionyx*

no emb.

246-128-31-16

July 20

1612. ♂ *Perognathus*

testes 4 mm.

177-101-21.5-8

1613. ♀ "

no emb.

164-89-21-8

1614. ♀ "

no emb.

168-103-21.5-7.5

1615. ♂ "

testes 8 mm.

184-103-23-8.5

1616. ♀ *Lionyx*

lots of quiescent seeds
in pouches

no emb.

248-130-31-16

1617. ♂ "

testes 23 mm.

280-146-32-17

Venaveros, 13 mi. W Aguascalientes, Agac., Mex.

July 21

1618. ♀ *Reithrodontomys*

no emb., last.

179-104-18.5-14.5

1619. ♂ *Mus musculus*

160-88-18.5-14

LIDICKER
1958

Kenaveroa, 13 mi. W. Aguascalientes, Agsc., Mex.

July 21

1620. ♂ *Pipilo fuscus*

1621. ♂ *Sylvilagus*

1622. ♀ *Pipilo fuscus*

testes 12 mm.

testes 40 mm.

386-37-82-69

ovary 8 mm.

TO 196

July 22

1623. ♂ *Peromyscus truei*

1624. ♂ *Sylvilagus*

1625. ♂ "

1626. ♂ *Citellus variegatus*

testes 11 mm.

198-109-22.5-22.5

testes 9 mm.

290-30-69-54

testes 42 mm, up in epid.

390-36-92-71

testes 30 mm

521-225-62-28

1 mi. NE Viudas de Oriente, 11 mi. SE Rincon de Romos, Agsc., Mex.

July 23

1627. ♀ *Perognathus*

1628. ♂ "

1629. ♀ "

1630. ♂ *Peromyscus*

1631. ♀ *Citellus*

1632. ♂ "

1633. ♀ "

3 emb x 10 mm.

177-100-23-8

testes 8 mm.

174-97-23-9

3 emb x 12 mm.

190-106-23-8.5

testes 19 mm.

242-130-26-22

no emb, lact.

239-70-34-9

testes 22 mm

246-73-34-10

no emb.

yg. of #1631 185-62-32-10

4 1/4 mi. S, 4 2/3 mi. E San Juan Bautista, San Benito Co., Calif.

Feb. 2 (died in captivity on Aug. 17)

1634. ♂ *Dipodomys venustus*

testes 9 mm.

262+-135+-47-21

4 mi. N, 3 1/2 mi. W Truckee, 2 1/2 mi. NW Kane Spring, Imperial Co. Calif.

Sept. 9

1635. ♂ *Perognathus*

1636. ♀ "

120 testes 4 mm.

183-101-24-9

1612 no emb, 4 ut. scars.

190-106-24-8

LIDICKER
1958

4 mi. N, $4\frac{1}{2}$ mi. W Truckhaven, ²¹ mi. NW Kane Spring, Imperial Co., Calif.

Sept. 9

1637. ♀ *Perognathus*

1638. ♂

1639. ♂

1640. ♀ *Dipodomys merriami*

1641. ♀

1642. ♀

1643. ♂

no emb.

12.6 g. 172-94-24-8
testes 4 mm.

11.8 g. 189-111-23-10
testes 3 mm.

14.2 g. 170+89+24-10
no emb., 2nd stage

31.9 g. 246-148-38-14
no emb., 2+rd stage

39.9 g. 253-148-38-13
no emb.

27.5 g. 235-142-36-14
testes 4 mm.

26.6 g. 244-149-37-14

$4\frac{1}{2}$ mi. N, 3 mi. W Kane Springs,

Imperial Co., Calif.

Sept. 9

1644. ♀ *Peromyscus maniculatus*

~~18.8 g.~~ no emb.

18.8 g. 174-81-21-18

Scissors Crossing, Earthquake Valley, San Diego Co., Calif.

Sept. 10

1645. ♂ *Perognathus longirostris*

1646. ♂

1647. ♀

1648. ♂

1649. ♂

1650. ♀

1651. ♀ *Dipodomys merriami*

1652. ♀

1653. ♂

1654. ♀

1655. ♂

1656. ♂

7.9 g. testes 2.5 mm.

135-70-19.5-7.5

7.6 g. testes 2.5 mm.

139-76-19-7

7.4 g. no emb.

138-74-19-7

8.0 g. testes 2.5 mm.

140-77-19.5-7

8.1 g. testes 2.5 mm.

142-75-19-7

8.0 g. no emb.

135-71-19-7

no emb.

40.5 g. 256-153-38-14
testes 5 mm.

29.0 g. (242-147-38.5-13
no emb.)

32.7 g. 248-152-39-14
no emb.

39.9 g. 243-143-37-13
testes 4 mm.

43.3 g. 250-147-39-14
testes 10 mm.

47.9 g. 247-140-38-13

1958

3 1/4 mi. S, 2 1/4 mi. E. Scissors Crossing, Earthquake Valley, San Diego Co., Calif.Sept. 101657. ♂ *Dipodomys merriami*

testes 5 mm.

42.2 g. 267-166-41-14
testes 4.5 mm.

1658. ♂ " "

34.1 g. 239-143-37-14
no emb.

1659. ♀ " "

46.6 g. 248-144-38-13
no emb.

1660. ♀ " "

32.7 g. 241-143-37-13
testes 5 mm.

1661. ♂ " "

39.8 g. 257-155-40-15
testes 10 mm.

1662. ♂ " "

43.9 g. 241-142-38-13
no emb.

1663. ♀ " "

40.4 g. 246-146-37-13.5
no emb.

1664. ♀ " "

39.3 g. 252-148-39-14
testes 4.5 mm.

1665. ♂ " "

37.0 g. 246-149-38-13
no emb.

1666. ♀ " "

37.0 g. 236-139-37-14

1667. ♀ " "

30.0 g. 248-148-37-13

2 3/4 mi. S, 2 1/2 mi. E Scissors Crossing, Earthquake Valley, San Diego Co., Calif.Sept 101668. ♂ *Thomomys bottae*

testes 8 mm.

113.9 g. 231-79-27-6

Scissors Crossing, Earthquake Valley, San Diego Co., Calif.Sept. 101669. ♂ *Onychomys torridus*

testes 5 mm.

20.1 g. 151-53-20.5-18

1670. ♂ " "

testes 5.5 mm.

20.0 g. 146-53-20-18

3 1/4 mi. S, 2 1/4 mi. E Scissors Crossing, Earthquake Valley, San Diego Co., Calif.Sept. 101671. ♀ *Neotoma lepida*

no emb.

116.2 g. 317-154-32-30.5
testes 2.5 mm.1672. ♂ *Perognathus longirostris*

6.1 g. 116-55-19-7

Glenciff Campground, 2 1/4 mi. N Buckman Springs, San Diego Co., Calif.Sept 111673. ♀ *Perognathus*

no emb.

16.7 g. 192-110-26.5-12

LIDICKER
1958

Sand Thing Valley, 4625 ± ft., San Diego Co., California

Sept. 12

1674 ♀	<i>Dipodomys agilis</i>	2 emb x 8 mm. 68.1g. 307-188-43-18 testes 4.5 mm.
1675 ♂	"	59.5g. 277-167-43.5-17 testes 4 mm.
1676 ♂	"	51.8g. 278-171-41-17 testes 10 mm.
1677 ♂	<i>Peromyscus maniculatus</i>	25.6g. 173-78-22-19.5 testes 10 mm.
1678 ♂	"	21.7g. 163-74-22-19 testes 10 mm.
1679 ♂	"	22.0g. 167-75-22-18.5 testes 10 mm.
1680 ♂	"	21.0g. 170-78-22-18.5 2 emb x 25 mm.
1681 ♀	"	25.6g. 170-73-22-19 testes 7 mm.
1682 ♂	<i>Thomomys bottae</i>	83.4g. 190-59-26.5-5.5

3 1/4 mi. N Manzanita, 3600 ± ft., McCain Valley, San Diego Co., Calif.

Sept. 13

1683 ♂	<i>Dipodomys agilis</i>	testes 6.5 mm. 63.0g. 277-165-41-16 3 emb. x 23 mm.
1684 ♀	"	74.6g. 303-185-43.5-16 no emb.
1685 ♀	"	31.7g. 220-126-40-14 testes 5 mm.
1686 ♂	<i>Perognathus</i>	22.9g. 218-128-28-13 testes 5 mm.
1687 ♂	"	19.6g. 208-124-26-14 testes 5 mm.
1688 ♂	<i>Peromyscus</i>	21.6g. 190-103-25-22.5 no emb. lact.
1689 ♀	<i>Neotoma lepida</i>	106.4g. 297-143-33-31 no emb.
1690 ♀	<i>Dipodomys agilis</i>	38.7g. 266-164-42-16 testes 11 mm.
1691 ♂	<i>Peromyscus maniculatus</i>	21.0g. 168-79-21.5-20

1 1/4 mi N, 1/2 mi E Aguanga, 2300 ±, Riverside Co., Calif.

Sept. 14

1692 ♀	<i>Perognathus</i>	no emb. 19.6g. 201-116-25-10 no emb.
1693 ♀	"	34.7g. 208-111-26-10 no emb.
1694	"	21.5g. 203-113-25.5-10

LIDICKER
1958

1 1/4 mi. N, 1/3 mi. E Aguanga, 2300[±] ft., Riverside Co., Calif.

Sept. 14

1695	♂	<i>Perognathus</i>	testes 3 mm. 22.5 g. 193-104-24-10 no emb.
1696	♀	<i>Dipodomys merriami</i>	40.0 g. 238-139-36-13 no emb.
1697	♀	"	24.5 g. 218-131-36-12 testes 4 mm.
1698	♂	<i>Perognathus</i>	23.4 g. 209-120-25-10 testes 3 mm.
1699	♂	"	21.7 g. 195-107-24-9 testes 4 mm.
1700	♂	"	27.4 g. 206-114-25-10 no emb.
1701	♀	"	26.0 g. 209-115-25.5-10 no emb.
1702	♀	"	23.3 g. 211-117-25-10 testes 3 mm.
1703	♂	"	25.7 g. 213-120-26-9.5 no emb.
1704	♀	<i>Dipodomys merriami</i>	36.7 g. 235-139-37.5-12 testes 3 mm.
1705	♂	"	42.1 g. 247-141-38-13 no emb.
1706	♀	"	35.0 g. 238-140-37-12 no emb.
1707	♀	" <i>agilis</i>	28.5 g. 227-134-40-14 testes 10 mm.
1708	♂	" <i>merriami</i>	47.0 g. 243-141-38.5-13 testes 4 mm.
1709	♂	"	25.1 g. 214-128-37-12 no emb.
1710	♀	"	43.5 g. 255-149-38-13 no emb.
1711	♀	"	36.6 g. 224-128-35.5-13 testes 5 mm.
1712	♂	"	38.7 g. 235-137-37.5-13 testes 6 mm.
1713	♂	" <i>agilis</i>	45.4 g. 253-152-42-14 testes 4.5 mm.
1714	♂	" <i>agilis</i>	56.2 g. 283-172-42-17

1/4 mi. ENE Aguanga, 2050[±] ft., Riverside Co., Calif.

Sept. 14

1715	♂	<i>Dipodomys merriami</i>	testes 7 mm. 48.4 g. 250-142-38-13 testes 7 mm.
1716	♂	"	40.6 g. 252-150-38-14 last, no emb.
1717	♀	"	35.2 g. 229-140-35-12

LIDICKER

1958

1/4 mi. ENE Aguanga, 2050 ± ft. Riverside Co., Calif.

Sept. 14

1718. ♀ *Dipodomys merriami*

no emb.

40.2 g. 247-151-37-13
testes 5 mm

1719. ♂ " "

35.4 g. 231-139-36.5-13
testes 5 mm

1720. ♂ " "

41.0 g. 261-160-38-14
no emb.

1721. ♀ " *agilis*

63.1 g. 290-179-43-18
no emb.

1722. ♀ " "

62.0 g. 281-167-41.5-17
testes 4.5 mm.

1723. ♂ " "

62.9 g. 295-180-42-17.5

1 mi. SE Aguanga, 2150 ± ft. Riverside Co., Calif.

Sept. 14

1724. ♀ *Dipodomys merriami*

2 emb. x 27 mm.

50.7 g. 249-145-37-13
no emb.

1725. ♀ " "

38.8 g. 240-141-37-13
no emb.

1726. ♀ " "

37.8 g. 241-142-37.5-13
testes 5 mm.

1727. ♂ " "

30.0 g. 226-132-36.5-12
no emb.

1728. ♀ " "

37.8 g. 232-143-37-13
testes 9 mm.

1729. ♂ " "

47.2 g. 253-149-38.5-14
no emb.

1730. ♀ " "

39.1 g. 234-136-36.5-13
no emb.

1731. ♀ " "

22.0 g. 209-125-35-12
testes 4.5 mm.

1732. ♂ " "

27.2 g. 221-135-37-12
no emb.

1733. ♀ " "

41.9 g. 245-141-38.5-13.5
testes 5 mm.

1734. ♂ " "

34.5 g. -147-38-13
testes 11 mm.

1735. ♂ " "

48.3 g. 257-152-39.5-13
no emb.

1736. ♀ " "

29.7 g. 227-133-36.5-13
testes 4.5 mm.

1737. ♂ " "

23.4 g. 209-121-36.5-12
no emb.

1738. ♀ " *agilis*

48.5 g. 281-172-41-15

DILGER

1958

1959

8 mi S, 1/2 mi E San Benito, San Benito Co., California

Dec 20, 1957 (died - captivity Sept. 22, 1958)

1739. ♂ *Dipodomys deserti*

testes 18 mm
202-182-95.5-15.5

3 1/2 mi N Mariposa, 3600 ± ft, McLean Valley, San Diego Co., Calif.

Sept. 12 (killed Sept. 24)

1740. ♂ *Perognathus longipennis interpres*

testes 21 mm
172-101-61-19-7

9 mi W Junction, Kimble Co., Texas

Oct 26

1741. ♂ *Perognathus lotor*

DOE

testes 21 mm
193-220-112-62

Brooks Island (N. end), Contra Costa Co., California

March 1, 1959

1742. ♂ *Microtus californicus*

testes desc. 9.5 mm
524g. 181-51-22-16

March 27

1743. *Thomomys* sp.

13 mi. W, 1 mi N Rumorosa, Baja California del Norte, Mex.

March 31

1744. ♂ *Reithrodontomys longicaudus*

testes desc. 7 1/2 mm
132-60-17.5-13

1745. ♂

happily mtd, but no testis, but
148-76-17-14

1746. ♂ *Dipodomys agilis* *cinereus*

testes desc. 12 mm
291-170-42-18

1747. ♂

testes 12 mm
234-132-41-15

1748. ♂ *Thomomys talpae* *ingens*

highly large - 10 flukes in testis, no driven
209-56-27-6

1749. ♀ *Peromyscus maniculatus* *gambelii*

6 lobes x 15 mm
171-78-21.5-18

1750. ♂

testes desc. 10 mm
175-78-22-19

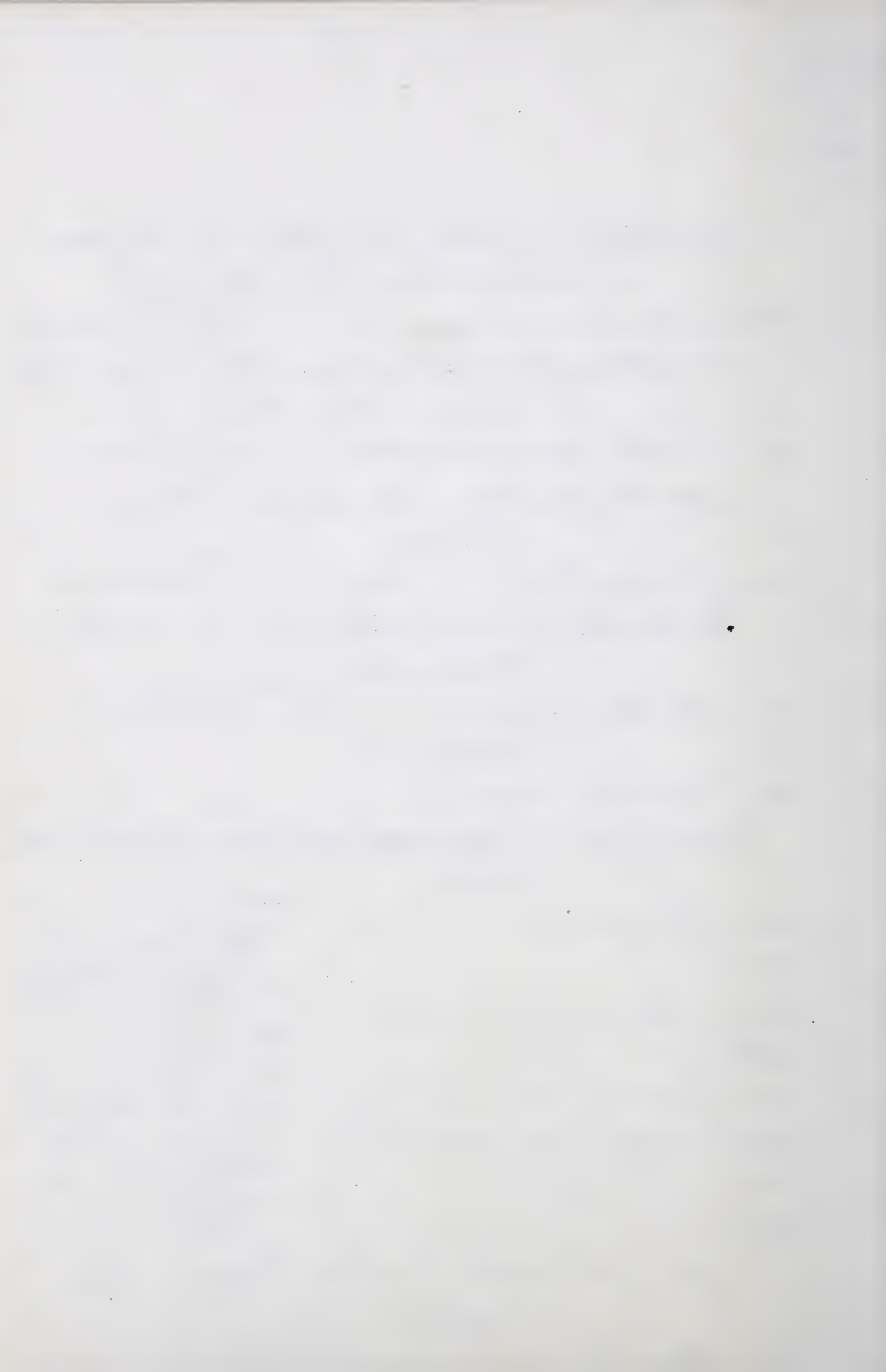
1751. ♂

testes desc. 10 mm
158-66-20.5-17

2 mi N Atascadero, San Luis Obispo Co., Calif.

March 28

1752. *Buteo* sp.



LIDICKER
1959

13 mi. W, 1 mi. N Rumorosa, Baja California del Norte, Mex.

March 31

1753. ♀ *Dipodomys agilis* *sonoriensis*

2 emb x 16 mm.

287-171-43-17

no emb

1754. ♀ *Thomomys bottae* *mexicanus*

188-57-26-5

31 mi. N, 5½ mi. W San Felipe, Baja Calif del Norte, Mex.

April 1

1755. *Uma* *Callosaurus*

1756. "

1757. "

3 mi. SSW San Felipe, Baja California del Norte, Mexico

April 1

1758. *Uma* *Callosaurus*

1759. *Cnemidophorus*

April 2

1760. ♀ *Perognathus parvus* *albescens*

no emb, virgin

156-87-23-7

1761. ♂ " *pencilatus* *angustirostris*

testes 3.5 mm.

168-90-23-7.5

1762. ♀ " *spinatus* *spinatus*

no emb.

177-100-22-8.5

1763. ♀ " *pencilatus* *angustirostris*

no emb, virgin

175-95-23.5-8

1764. ♂ " " "

testes desc., 8 mm

191-105-24-9

1765. ♂ " " "

testes desc., 8 mm

190-104-24-8.5

1766. ♂ *Dipodomys merriami*

testes desc., 10 mm.

265-159-40.5-13

1767. ♀ " " "

no emb, 2 fl. 5 mm

256-154-37.5-13.5

1768. ♀ " " "

no emb.

236-140-38-14

1769. ♀ " " "

no emb, virgin

244-146-38-13

1770. ♂ " " "

testes desc., 10 mm.

240-138-36.5-14

1771. ♂ " " "

testes desc., 8.5 mm.

250-147-38-14

LIDICKER

1959

3 mi. SSW San Felipe, Baja California del Norte, Mexico

April 2

- | | | | |
|------|---|---------------------------|--|
| 1772 | ♀ | <i>Dipodomys merriami</i> | Testes 8.5 mm.
239-138-37.5-13
no emb, 4 pl. scars |
| 1773 | ♀ | " | 243-141-38-13
no emb |
| 1774 | ♀ | " deserti | 337-201-52-17.5
testes desc. 7 mm |
| 1775 | ♂ | " | 349-207-55-18
Testes 8 mm. |
| 1776 | ♂ | " | 340-201-56-18 |
| 1777 | | <i>Uta</i> | |
| 1778 | | " | |

31 mi. N, 7 mi. W San Felipe, Baja California del Norte, Mex.

April 3

- | | | | |
|------|---|---------------------------|---|
| 1779 | ♂ | <i>Dipodomys merriami</i> | Testes 7.5 mm, not desc.
246-147-38.5-14
no emb. |
| 1780 | ♀ | " | 247-150-37-14
testes 8 mm, app. not desc. |
| 1781 | ♂ | " | 237-142-39.5-14
testes 6 mm, not desc. |
| 1782 | ♂ | " | 245-144-38.5-15
testes desc., 8.5 mm. |
| 1783 | ♂ | " | 238-140-37-14.5 |
| 1784 | ♂ | " | drill <i>Fouquieria blossum</i> Testes desc 9 mm.
in pouch 244-144-38-15
no emb, 2 pl. scars. |
| 1785 | ♀ | " | 240-144-37-14
no emb, 4 pl. scars. |
| 1786 | ♀ | " | 240-138-37-14 |
| 1787 | | | |

1 mi. SE Wynola, San Diego Co., Calif.

April 4

- | | | | |
|------|---|--------------------------|---|
| 1788 | ♀ | <i>Citellus beecheyi</i> | 6+ embryos, term, enlarged mammae. tris.
DOR 444-160-51-25 |
|------|---|--------------------------|---|

Brooks Island (Sand), Contra Costa Co., Calif.

April 12

- | | | | |
|------|--|--------------------------------|--|
| 1789 | | <i>Desmognathus crenulatus</i> | |
|------|--|--------------------------------|--|

LIDICKER
1959

Brooks Island, Contra Costa Co., California

April 26

1790. *Thomomys* from nr. S. end.

May 2

1791. " from NW bench

May 9

1792. " from NW bench

3 mi. NW Encinitas, E side Sierra Santa Clara, Chihuahua, Mex

June 14

1793. ♀ *Citellus variegatus* 630.3 g. nipple large, no emb., 8 pl. & cov. 494-202-61-25

Cañon del Alamo, 7300', Sierra del Nido, Chihuahua, Mexico

June 15

1794. ♀ *Peromyscus truei boylii* SKULL ONLY 3 emb. x 4 mm. 189-87-21-—

1795. ♀ *Myiarchus cinerascens* 24.8 g. ad.

1796. ♀ *Sialia mexicana* 28.0 g. ad. brood patch

1797. ♂ *Eutamias dorsalis* (A.H. Miller) 58.3 g. testes desc., 13 mm. 228-96-35-18

1798. ♀ *Lepus gaillardi* (Dave Taylor) 2900 g. 2 emb. x 37 mm (at horn, 2 cl. in H. ov.) 599-62-134-121

1799. ♂ *Thomomys* 85.8 g. ~~testes 13 mm.~~ 211-63-27-5

June 16

1800. ♂ *Peromyscus truei boylii* 239 g. testes 11 mm. 186-97-23-22

1801. ♂ " 244 g. testes 11 mm. 189-98-23-22

1802. ♀ *Neotoma albigula* 171.9 g. 12 emb. x 17 mm. 313-125-32-27
4 pr. nipples found. no emb., 1 pl. cov. in an. horn

1803. ♀ *Thomomys* 68.3 g. 181-49-25.5-4

1804. ♂ " 83.7 g. testes 14 mm. 197-55-27-5.5

1805. ♂ *Neotoma albigula* (A.H. Miller) 160.3 g. testes 17 mm. 332-149-34-28

1806. ♀ *Eutamias dorsalis* 78.0 g. no emb. 228-98-35-20



LIDICKER
1959

Cañon del Alamo, 7300 ft., Sierra del Nido, Chihuahua, Mexico

June 17

1807. ♂ *Dipodomys ordii* 54.4 g. ^{testes 12 mm.} 254-141-38.5-15
1808. ♀ *Peromyscus boylii* 26.8 g. ^{4 emb X 6 mm.} 204-103-23-23
1809. ♂ " " 23.9 g. ^{testes 13 mm.} 194-102-23-23
1810. ♂ *Turdus migratorius* ad. 74.4 g. ^{testes 13 mm.}
1811. ♂ *Progne subis* ad. 48.9 g. ^{testes 12 mm.}
1812. ♂ " " ad. 52.2 g. ^{testes 15 mm.}
1813. ♂ *Tachycineta thalassina* ad. 16.4 g. ^{violet green swallow} ^{testes 11 mm}
(A.S. LEOPOLD) ^{no emb, lact.}
1814. ♀ *Citellus spilosoma* 120.4 g. 220-62-32-10
(G. BRYAN) ^{1 emb. X 11.5 mm.}
1815. ♀ *Myotis lucifugus* 10.0 g. 95-34-10-15

June 18

1816. ♀ *Dipodomys ordii* 50.8 g. ^{no emb, not virgin} 239-130-38.5-13.5

June 17

1817. *Hyla arenicolor*
lylid (lunar yellow on ventral side of forearm + lower abdomen)

June 18

1818. ♂ *Caprimulgus vociferus* ad. ^{testes 13 mm.}
1819. ♂ *Contopus richardsoni* ad. ^{testes 7.5 mm.}
^{testes 42 mm.}
1820. ♂ *Sylvilagus floridanus* 1113.5 g. 442-51-102-73
1821. ♂ *Eutamias dorsalis* 59.2 g. ^{testes 15 mm, desc.} 206+-77+-33-14
1822. *Sceloporus (torquatus) poirasetti*

June 19

1823. ♀ *Dipodomys ordii* 49.5 g. ^{no emb, virgin} 233+-124+-39-13
^{no emb, parous}
1824. ♀ " " 48.3 g. 243-149-39-13
^{testes 15 mm, desc.}
1825. ♂ *Eutamias dorsalis* 65.3 g. 217-83-34.5-20.5
^{1 emb X 16 mm, only 1 cl. (same)}
1826. ♀ *Neotoma* 162.9 g. 346-158-33.5-28

LIDICKER

1959

Cañon del Alamo, 7300', Sierra del Nido, Chihuahua, Mexico

June 19

1827. ♂ *Empidonax fulvifrons* 7.7 g. testes 7.5 mm. ad.
 1828. ♀ *Troglodytes melanocephalus* (blk-headed troglodyte) 52.1 g. ad. broad patch
 1829. ♀ *Sylviolagus floridanus* 1078.5 g. 387-38-96-73
 1830. ♀ *Eptesicus fuscus* 16.8 g. 125-47-12-18
 no emb, lact.

June 20

1831. ♂ *Reithrodontomys* 8.1 g. testes 7 mm. 137-71-16.5-14
 1832. ♂ *Peromyscus boylii* 25.3 g. testes 13 mm. 138+-40+-21.5-18
 1833. ♂ " " 23.4 g. testes 14 mm. 202-101-22-18
 1834. ♀ *Peromyscus* 34.8 g. testes 12 mm. 221-115-23-20
 1835. ♂ " " 31.8 g. testes 14 mm. 192+-87+-25-21.5
 1836. ♂ " " 24.0 g. testes 12 mm. 180+-78+-22-22
 1837. ♂ " " 19.7 g. testes 12 mm. 139+-42+-21.5-21
 1838. ♀ *Turdus migratorius* ad. 69.7 g. Cy. ov. 4 mm. broad patch
 1839. ♂ *Neotoma mexicana* 183.5 g. 341-146-34-27
 1840. ♀ " " 127.4 g. 311-132-33-28
 no emb, parous

June 21

1841. ♂ *Reithrodontomys* 9.1 g. testes 8 mm. 150-80-17.5-15
 1842. ♂ *Peromyscus boylii* 23.5 g. testes 13 mm. 177+-75+-21.5-19
 1843. ♀ " " 26.5 g. 3 emb x 9 mm 208-106-23.5-22.5
 1844. ♀ " " 26.7 g. 214-108-24-23
 1845. ♂ *Sylviolagus floridanus* 1179.4 g. 438-38-105-77
 no emb, recent partur

Cañon del Alamo, 7000 ft., Sierra del Nido, Chihuahua, Mexico

June 21

1846. ♂ *Erinophilus alpestris* 24.9 g. ad. testes 9 mm

LIDICKER
1959

Cañon del Alamo, 7300 ft., Sierra del Nido, Chihuahua, Mexico

June 22

1847. *Sceloporus jarrovi*

1848. ♀ *Thryomanes bewickii* juv. or juv., breast patch 9.8 g.

1849. ♀ *Cytomyx montezumae* lg. foll = 17 mm, 204.4 g. cl. 1 collapsed foll.

1850. ♂ *Neotoma albigula* 172.4 g. 339-152-34.5-27
testis 17 mm.
1 emb X 22 mm.

1851. ♀ " *metacava* 186.6 g. 340-149-32-30
testis 17 mm.

1852. ♂ " " 223.4 g. 363-152-33.5-30
2 emb X 100 mm.

1853. ♀ *Lepus gaillardi* (A.H. MILLER) 282.5 g. 560-50-135-121

~~1854. ♂ *Neotoma*~~

June 23

1854. ♂ *Neotoma albigula* 150.5 g. 307-136-35-30
testis 15 mm, desc.

1855. ♂ " " 216.1 g. 293+-99+-34.5-30.5
testis 18 mm, desc.
6 emb X 4 mm.

1856. ♀ *Eutamias dorsalis* (J. TAYLOR) 75.3 g. 242-102-36-21
testis 18 mm, desc.

1857. ♂ *Oryzomys* nod. fat. 22.8 g. 150-46-21-17
testis 12 mm, desc.

1858. ♂ *Sigmodon minimus* 94.3 g. 244-92-27.5-18

June 24

1859. ♂ *Peromyscus boylii* 22.3 g. 190-92-21.5-19.5
testis 13 mm, desc.

1860. ♀ Canyon Wren *Catherpes mexicanus* juv. or. 11.1 g. bare patch on breast
caught by nettleman (A.H. MILLER) 98 testis 4 mm.

1861. ♂ *Peromyscus* A.H.M. #11098 13.5 g. 152-74-21.5-18.5

1862. ♂ *Pipilo fuscus* ad 48.6 g. testis 14 mm.

June 25

1863. ♂ *Peromyscus boylii* 28.2 g. 195-98-21.5-19
testis 13 mm.
nod. fat. no emb, non-parous

1864. ♀ *Sigmodon minimus* 51.5 g. 210-82-27-15
testis 14 mm.

1865. ♂ " " 87.8 g. 246-103-29-18

Cañon del Alamo, 7000', Sierra del Nido, Chihuahua, Mex.

June 25

LIDICKER

1959

Cañon del Alamo, 7300 ft., Sierra del Nido, Chihuahua, Mexico

June 24

1866. ♀ *Eptesicus fuscus*

18.9 g.

1 emb x 60 mm in partus
122-49-13-18

June 25

1867. ♂ *Citellus variegatus*

475.3 g.

testes 24 mm, desc.
436-180-59-23

Cañon del Alamo, 7000 ft., Sierra del Nido, Chihuahua

June 25

1868. *Sceloporus scalaris*

1869. ♀ *Thomomys*

no emb, parous
95.2 g. 208-60-27-5

1870. ♂ "

testes 9 mm.
92.7 g. 205-60-28-6

1871. ♀ *Sigmodon trimimus*

58.6 g.

no emb.
224-88-27-14

Cañon del Alamo, 7300 ft., Sierra del Nido, Chihuahua

June 26

1872. ♀ *Peromyscus*

20.9 g.

no emb, not virgin
169+-70+-21-20

1873. ♀ "

27.2 g.

no emb, non-parous
210-105-24-20

1874. ♀ " *boylii*

40.6 g.

4 emb x 25 mm.
211-105-21-21

1875. ♀ " *truei*

26.7 g.

4 emb x 9 mm.
191-94-23-22.5

1876. ♀ "

27.2 g.

3 emb x 13 mm.
201-97-22.5-24.5

1877. ♀ " *boylii*

20.8 g.

no emb, parous
194-98-21-20

June 25

1878. ♀ *Myotis*

8.7 g.

no emb.
99-41-10-21

1879. ♀ "

7.9 g.

no emb.
95-42-10-20

1880. ♂ *Eptesicus fuscus*

15.6 g.

testes 8.5 mm.
117-45-11.5-17.5

1881. ♀ "

19.0 g.

no emb, lact., recent partus
122-47-12.5-18.

1882. ♂ "

16.0 g.

testes 10 mm
119-47-12-17

1883. ♀ "

20.0 g.

lact., no emb, recent partus
129-49-12.5-18.5

LIDICKER
1959

Cañon del Alamo, 7300', Sierra del Nido, Chihuahua, Mexico

June 25

1884. ♂ *Eptesicus fuscus* ^{put up by W. R. Smith} testes 8 mm
^{but 2 measured} 15.4 g. 115-48-11.5-18
^{foot + ear.} 1 emb x 52 mm.
1885. ♀ " " 21.3 g. 125-46-12-18

5 mi. N Cerro Campana, 5600 ft., Chihuahua, Mexico

June 28

1886. ♂ *Peromyscus maniculatus* testes 11 mm, desc. 24.0 g. 164-62-21-20

June 27

1887. ♀ *Pipistrellus hesperus* 2 pl. scars, lact. 4.4 g. 84-33-7-12

June 28

1888. ♀ *Toxostoma curvirostre* (A.S. LEOPOLD) old blood patch 86.5 g. 9.05 = 13 mm. ad. 3 fec. w/ considerable yolk. testes 8 mm.
1889. ♂ *Thomomys* 125.9 g. 235-71-31.5-6 testes 12 mm, desc.
1890. ♂ " 121.3 g. 218-59-31-6
1891. ♂ *Pipistrellus hesperus* 4.1 g. 83-34-7.5-12.5

June 29

1892. ♀ *Reithrodontomys* 2 emb x 9 mm + 1 app. mature 13.1 g. 165-88-19-15 testes 17 mm, desc.
1893. ♂ *Onychomys torridus* 19.5 g. 140-47-20-18 testes 5 mm.
1894. ♂ *Dipodomys ordii* 35.0 g. 224-127-36.5-13 testes 14 mm, desc.
1895. ♂ *Peromyscus* 24.6 g. 203-93-21-20 6 emb x 9 mm, lact.
1896. ♀ " 38.0 g. 207-104-21-20
1897. ♀ *Thomomys* no emb. parts 105.4 g. 226-71-29.5-6 (A.H. MILLER) testes 43 mm, desc.
1898. ♂ *Sylvilagus* 774.0 g. 374-37-85-70 no emb.
1899. ♀ *Thomomys* 75.1 g. 200-61-27-5
1900. *Bufo punctatus* spots rusty red
1901. " " "
1902. " " "

1 DICKER
1959

5 mi. N Cerro Campana, 5600 ft., Chihuahua, Mexico

June 30

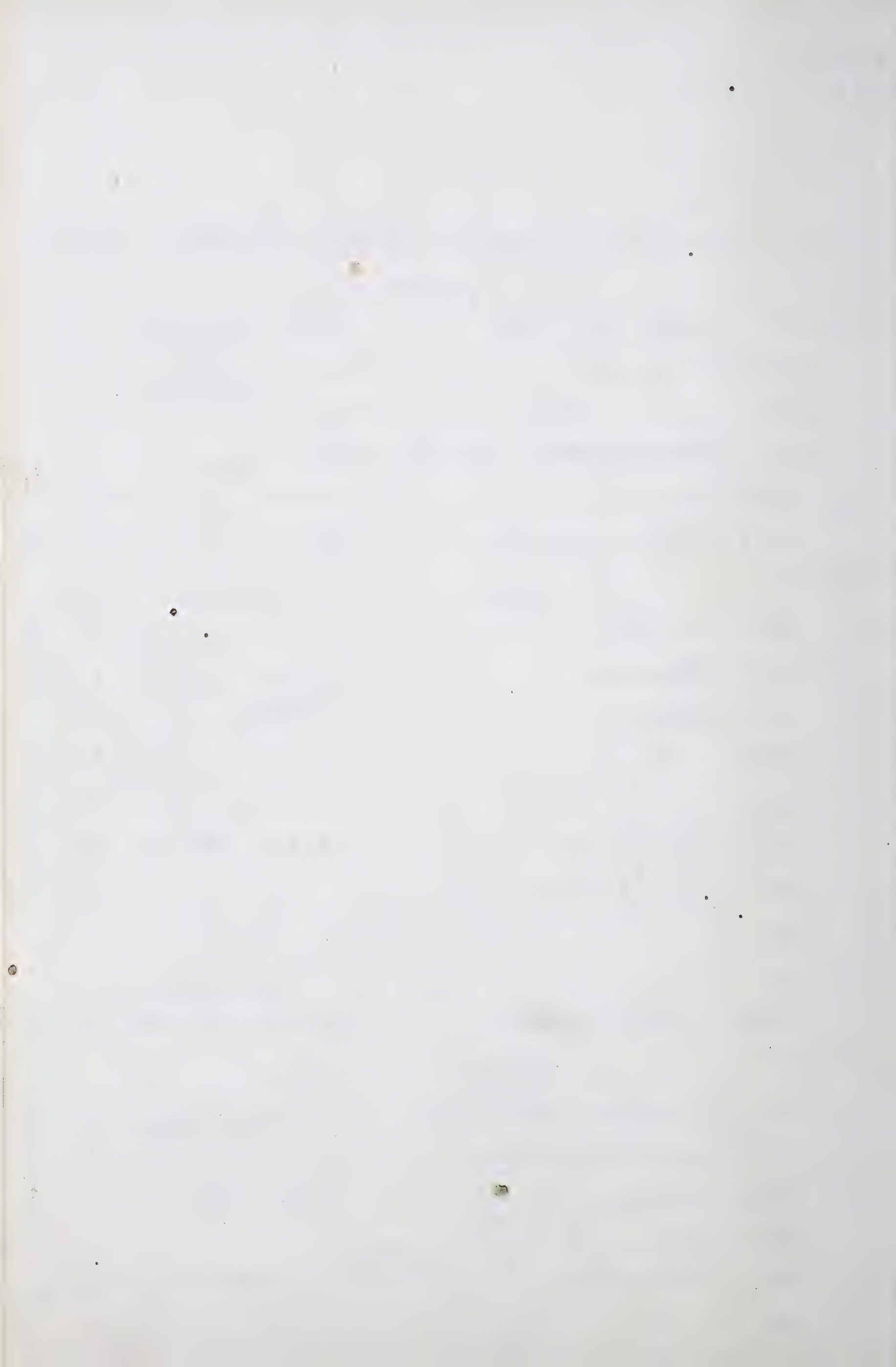
1903.	<i>Bufo punctatus</i>	spots rusty red.
1904 ♀	<i>Peromyscus</i>	5 emb x 4 mm. 22.6 g. 187-81-21- — testes 14 mm desc.
1905 ♂	" <i>boylii</i>	27.5 g. 188-95-21-19
1906	<i>Sceloporus</i> <i>Vrosaurus ornatus</i>	testes 6 mm.
1907 ♂	<i>Thomomys</i>	100.8 g. 214-66-29-6.5 6 emb x 24 mm.
1908 ♀	<i>Citellus variegatus</i>	790.4 g. 497-206-62-28

July 1

1909 ♂	<i>Perognathus</i>	11.8 g. 170-92-21.5-7.5 3 emb x 23 mm.
1910 ♀	<i>Oryzomys</i>	32.9 g. 149-49-21-18.5 102.2 g. no emb.
1911 ♀	<i>Thomomys</i>	211-65-29-6 no emb.
1912 ♀	"	110.1 g. 214-62-30-6.5 testes 10 mm desc.
1913 ♂	"	127.6 g. 219-63-30-6.5
1914 ♂	<i>Proinza flava</i>	42.7 g. testes 11 mm ad.
1915	<i>Bufo punctatus</i>	
1916	"	
1917	"	
1918 ♀	<i>Citellus variegatus</i>	no emb, lact. 910.3 g. 535-228-67-27

July 2

1919.	<i>Thomomys cyrtopis</i>	3 emb x 19 mm + 1 resorb emb.
1920 ♀	<i>Sigmodon minimus</i>	116.9 g. 234+-73+-28-18 no emb, female
1921 ♀	<i>Thomomys</i>	103.1 g. 232-72-31-5
1922 ♂	<i>Crotalus</i> <i>viridis</i> <i>mollis</i>	
1923.	<i>Eleutherodactylus</i> <i>Hyla arenicolor</i>	reddish ventrally including vocal sacs + esp. femora
1924	"	"



LIDICKER

1959

5 mi. N Cerro Campana, 5600 ft., Chihuahua, Mexico

July 2

1925. *Bufo punctatus*

1926. " "

1927. " "

5 mi. N. Cerro Campana, 5400 ft., Chihuahua, Mex.

July 2

1928. ♂ *Sylvilagus auduboni*

660.0 g.

~~testes~~ 23 mm, desc.

362-39-85-70

July 3

1929. ♀ *Reithrodontomys*

no emb, not virgin

7.6 g. 143-74-18.5-13

~~testes~~ 10 mm, desc.

1930. ♂ " *fulvescens*

12.9 g. 164-87-19-13.5

~~testes~~ 5 mm.

1931. ♂ *Dipodomys merriami*

38.9 g. 252-149-38.5-12.5

no emb.

1932. ♀ *Perognathus*

13.0 g. 160-90-21-7.5

~~testes~~ 4.5 mm.

1933. ♂ " *hippides*

18.5 g. 169-83-23.5-10

no emb, infertile

1934. ♀ *Dipodomys merriami*

35.6 g. 245-143-37-12

no emb, 3rd. sem.

1935. ♀ " "

38.9 g. 238-133-37.5-13

~~testes~~ 11 mm.

1936. ♂ " *ordini*

50.1 g. 242-132-37-13.5

no emb, parous

1937. ♀ *Peromyscus maniculatus*

19.7 g. 158-64-20-18.5

3 emb x 6 mm.

1938. ♀ " "

21.2 g. 167-71-21-16

~~testes~~ 13 mm, desc.

1939. ♂ *Neotoma lepida*

122.0 g. - - 131-31-26

5 mi. N Cerro Campana, 5600 ft., Chihuahua, Mex.

July 3

1940. ♀ *Dipodomys ordii*

no emb, infertile

40.4 g. 236-132-37-12

no emb, parous

1941. ♀ " "

50.4 g. 237-126-37-13

no emb.

1942. ♀ *Sigmodon minor*

49.9 g. 222-87-27.5-17

~~testes~~ 8 mm.

1943. ♂ *Peromyscus maniculatus*

19.8 g. 163-65-21-19.5



LIDICKER
1959

5 mi. N Cerro Campana, 5600 ft., Chihuahua, Mex.

July 3

1944 ♂ *Thomomys*

July 4

1945 ♂ *Citellus variegatus*

109.7 g. ~~testes~~ 8 mm.
232-71-31-6
testes 25 mm., desc.
617.6 g. 502-224-62-23

5 mi. N Cerro Campana, 5350 ft., Chihuahua, Mex.

July 4

1946 ♂ *Dipodomys merriami*

(W.C. RUSSELL)

49.8 g.

testes 11 mm.

200+-89+-38-13
no emb.

1947 ♀ *Sigmodon minimus*

340 g.

184-76-26-15

(W.C. RUSSELL)

testes 11 mm., desc.

1948 ♂

63.4 g.

221-93-28-16

no emb., parous

1949 ♀ *Peromyscus maniculatus*

20.5 g.

165-66-22-18

1950 ♂ *Amphiphila botteri*

ad.

16.1 g.

testes 8.5 mm., virgin

July 5

1951 ♀ *Perognathus parvus*

6.6 g.

3 emb. x 3 mm.

105-47-16-6.5

1952 ♂ *Dipodomys ordii*

39.7 g.

237-135-38.5-13.5

5 emb. x 15 mm.

1953 ♀ *Onychomys torridus*

1

29.4 g.

156-53-21-18

1954 ♂ *Dipodomys spectabilis*

104.7 g.

testes 11 mm., desc.

334-202-53-16.5

1955 ♂ *Peromyscus maniculatus*

16.1 g.

testes 7 mm., desc.

149-61-21-17

1956 ♀

16.0 g.

no emb., off. test virgin

153-65-21-17

1957 ♂ *Neotoma lepida*

182.5 g.

testes 18 mm., desc.

324-133-33-27

1958 ♀

154.7 g.

2 emb. x 7 mm., lact.

307-123-32-28

1959 ♂ *Amphiphila cassinii*

ad.

16.8 g.

testes 9 mm., virgin

1960 ♂ *Erimophila alpestris*

juv.

23.7 g.

testes 2 mm.

5 mi. N Cerro Campana, 5600 ft., Chihuahua, Mex.

July 5

1961 ♂ *Eutamias dorsalis*

63.9 g.

testes 17 mm., desc.

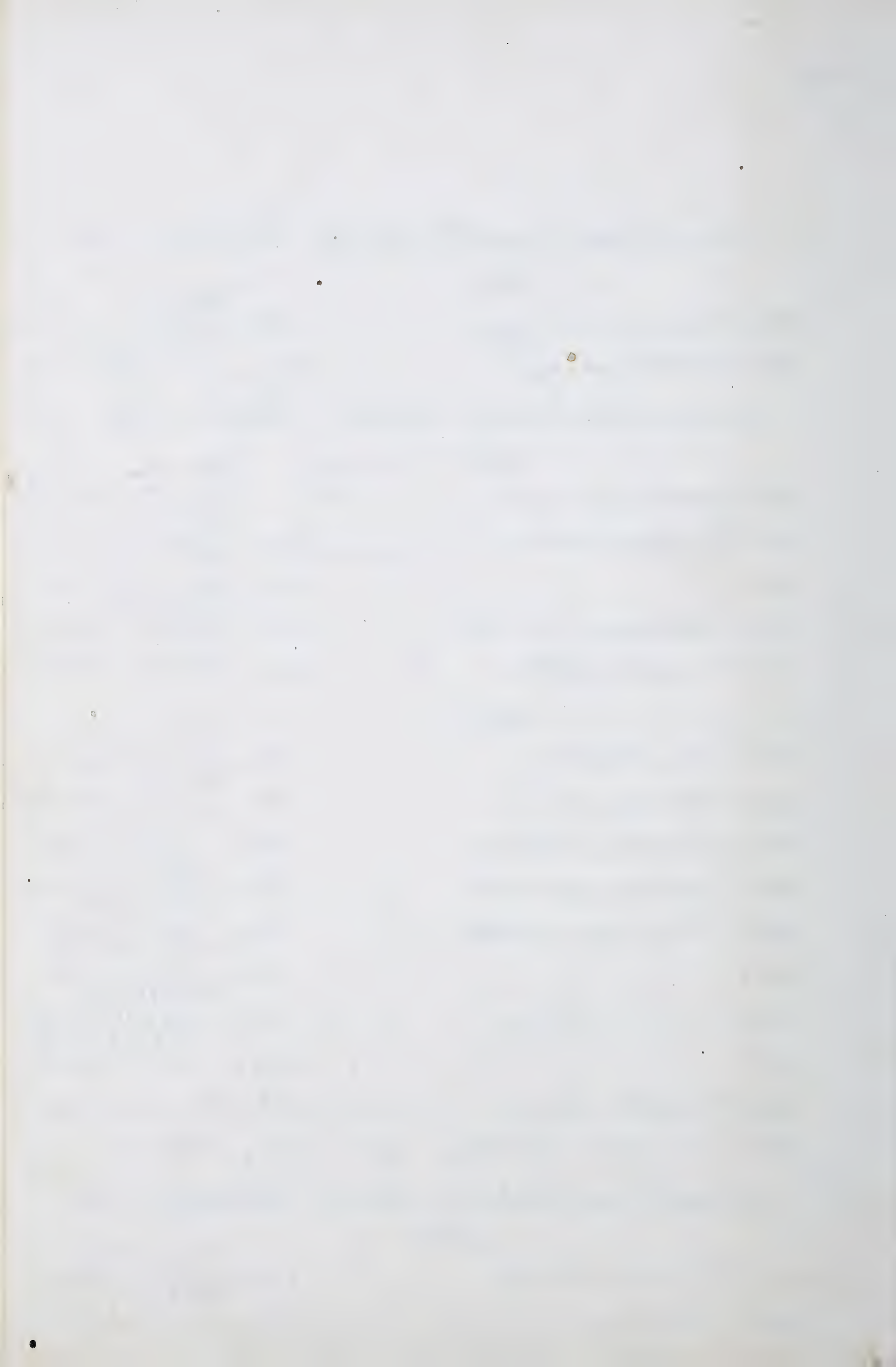
232-102-36-21

1962 ♂ *Thomomys*

88.3 g.

testes 6.5 mm.

206-57-28-5



1959

5 mi. N Cerro Campana, 5600 ft., Chihuahua, Mex.July 6

1963	♂	<i>Perognathus flavus</i>	5.6 g.	testes 6.5 mm. 103-48-15-6.5 no emb, 13/22 dec.
1964	♀	"	6.9 g.	110-48-15.5-6.5
1965	♂	"	5.2 g.	testes 5 mm. 110-53-16-6
1966	♂	<i>leucifrons</i>	23.0 g.	testes 7 mm. 183-94-25-11.5
1967	♂	"	32.7 g.	testes 9.5 mm, dec. - - 100-25-12
1968	♂	<i>Dipodomys ordii</i>	42.7 g.	testes 7 mm. 225-122-37-14
1969	♂	"	44.1 g.	testes 11 mm, dec. 235-130-37-13
1970	♀	<i>Baiomys</i>	8.9 g.	no emb, parous 110-39-14.5-11
1971	♂	<i>Peromyscus maniculatus</i>	21.5 g.	testes 8.5 mm, dec. 163-68-22-18
1972	♂	<i>Sigmodon merriami</i>	80.8 g.	testes 13 mm, dec. 247-104-29-18 5 emb x 41 mm
1973	♀	"	135.2 g.	260-109-28-19 5 emb x 23 mm
1974	♀	<i>Citellus variegatus</i>	512.7 g.	449-197-56-26

July 7

1975	♂	<i>Peromyscus boylii</i>	24.0 g.	testes 15 mm, dec. 189-95-21- -
1976	♂	"	25.5 g.	testes 15 mm, dec. 187-93-21-19
1977	♂	"	25.6 g.	testes 15 mm, dec. 154+-54+-21-21 4 emb x 23 mm
1978	♀	"	32.2 g.	201-101-21.5-19 testes 15 mm, dec.
1979	♂	"	31.1 g.	208-107-22-19
1980	♂	<i>Dendroica nigrescens</i>	8.6 g.	juv. testes 3/4 mm.

4 mi. N Cerro Campana, 5700 ft., Chihuahua, Mex.July 7

1981	♂	<i>Poliophtila</i>	ad.	5.5 g. testes 6.5 mm
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5 mi. N Cerro Campana, 5600 ft., Chihuahua, Mex.July 7

1982		<i>Thomomys cyrtopsis</i>		
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LIDICKER
1959

5 mi. N Cerro Campana, 5600 ft., Chihuahua, Mexico

July 8

1983. ♂	<i>Perognathus</i>	11.5 g.	testes 4 mm 162-89-21-7 no emb. infers
1984. ♀	"	11.4 g.	153-85-21-7 testes 3.5 mm.
1985. ♂	"	13.3 g.	173-97-21.5-7 no emb.
1986. ♀	"	13.2 g.	162-85-21-7.5 no emb, 2 pl. scars
1987. ♀	"	12.2 g.	167-92-22-7.5 testes 4 mm.
1988. ♂	"	12.6 g.	165-88-21-7.5 no emb, 4 pl. scars
1989. ♀	"	13.1 g.	161-88-21-7.5 no emb, scars
1990. ♀	<i>Reithrodontomys</i>	14.1 g.	176-91-19-17 testes 11.5 mm, desc.
1991. ♂	<i>Peromyscus eremicus</i>	18.2 g.	193-102-21- 4 emb X 22 mm.
1992. ♀	"	29.4 g.	187-96-20-16
1993.	<i>Crotalus lepidus</i>		

July 9

1994. ♀	<i>Perognathus</i>	10.8 g.	no emb, 2 pl. scars 153-82-19.5-7
1995. ♂ ♀	"	11.1 g.	no emb, scars 150-80-19.5- testes 4 mm.
1996. ♂	"	10.3 g.	160-93-19.5-7 testes 5.5 mm.
1997. ♂	<i>Thomomys</i>	90.3 g.	202-64-28.5-5

July 4

1998. *Kinoatoma hirtipes*

July 8

1999. ♂ *Antrozous pallidus* (N.K. JOHNSON) 16.4 g. ^{testes enlarged, testes 6.5 mm, desc.} 114-46-13-29-15

July 9

2000. ♀ *Sylvilagus auduboni* (C. HASKELL) 732.8 g. ^{no emb, lact.} 324-38-82-64
2001. ♀ *Thomomys* 88.6 g. ^{no emb} 219-71-30-6

L. DICKER

1959

2 mi. E Tepetzala, 7500 ft., Aguascalientes, Mex.

July 12

2002. ♂ *Perognathus*

20.5 g. ^{testes 7 mm.} 181-100-22.5-8
~~testes 7.5 mm.~~

2003. ♂ " *nelsoni*

18.9 g. 182-98-23-8.5
4 emb X 2 mm.

2004. ♀ "

19.3 g. 190-103-23-8
no emb, 4 pl. ova.

2005. ♀ "

18.7 g. 185-104-23-8

2006. ♂ *Onychomys torridus*

20.1 g. ^{testes 13 mm. desc.} 145-49-22-19
no emb, 6 pl. ova

2007. ♀ *Peromyscus eremicus*

24.8 g. 186-89-20-18.5

2008. ♀ " *mammillatus*

19.7 g. ^{no emb, 5 pl. ova} 156-65-20-16.5
no emb, 6 pl. ova

2009. ♀ *Neotoma*

239.2 g. 342-142-35-30

~~2010. ♂ *Myotis*~~

~~4.9 g. 82-39-8-14.5~~

3 mi. E Tepetzala, 7700 ft., Aguascalientes, Mex.

July 12

2010. ♂ *Myotis*

4.9 g. ^{testes 4 mm.} 82-39-8-14.5

July 13

2011. ♂ *Perognathus*

no stiff spines on rump ^{testes 6 mm.}
SKULL ONLY 14.9 g. --105-22-8

2012. ♀ " *nelsoni*

13.1 g. ^{no emb, not virgin} 181-102-22.5-7

2013. ♂ "

18.7 g. ^{testes 6 mm.} 177-100-22.5-8.5

2014. ♂ "

19.6 g. ^{testes 7.5 mm.} 178-91-23.5-8

2015. ♀ "

19.0 g. ^{4 emb X 10 mm} 177-95-22-8
^{4 emb X 2 mm.}

2016. ♀ "

15.7 g. 171-91-21.5-8.5
^{no emb, not virgin}

2017. ♀ *Rhithodontomys*

7.4 g. 137-70-18-13

2018. ♂ "

9.3 g. ^{testes 7 mm.} 148-77-18-14
^{testes 9 mm.}

2019. ♂ *Dipodomys merriami*

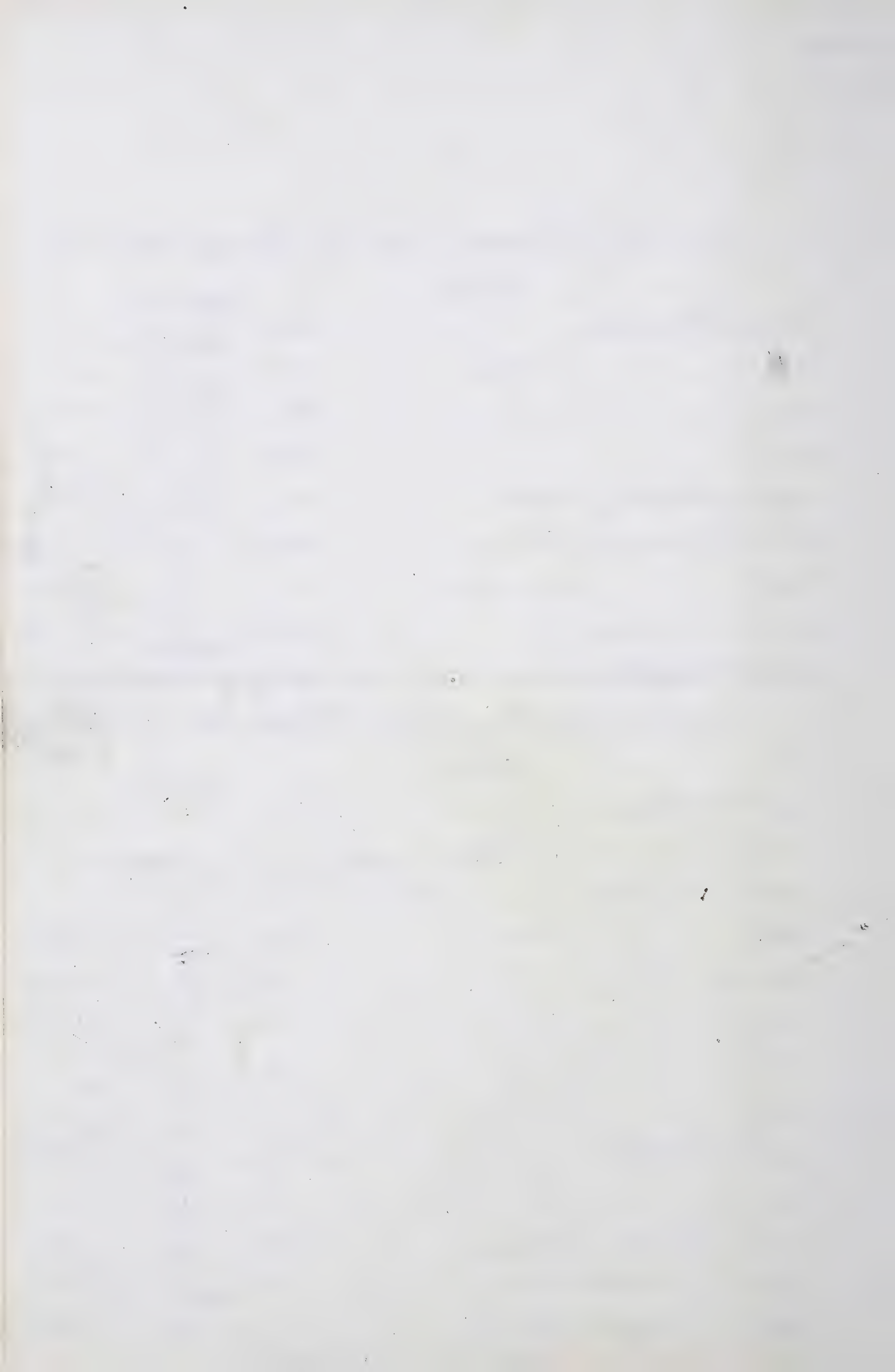
54.0 g. 268-157-39-14
^{testes 18 mm desc.}

• 2020. ♂ *Onychomys torridus*

29.6 g. 150-52-21-19.5

2021. ♂ *Peromyscus eremicus*

24.8 g. ^{testes 12 mm desc.} 188-95-21-18.5



LIDICKER

1959

3 mi. E Tepetzalá, 7700 ft., Aguascalientes, Mex.July 13

2022. ♂	<i>Peromyscus eremicus</i>	21.4 g.	testes 10 mm, desc. 190-98-21-19 2 emb x 6.5 mm.
2023. ♀	" <i>boylii</i>	23.6 g.	208-109-22-21 testes 17 mm, desc.
2024. ♂	"	38.9 g.	263-147-26-24 testes 12 mm, desc.
2025. ♂	"	40.4 g.	249-131-25-26 2 emb x 15 mm.
2026. ♀	"	34.0 g.	248-131-23.5-24 3 emb x 4 mm + 4 th acc.
2027. ♀	"	37.0 g.	231-119-25-25
2028. ♂	"	46.5 g.	testes 18 mm, desc. 246-130-26.5-22.5
2029. ♂	"	37.1 g.	testes 16 mm, desc. 235-123-25-25
2030. ♂	"	31.7 g.	testes 16 mm, desc. 232-125-25.5-24
2031. ♂	<i>Neotoma</i>	202.7 g.	testes 17 mm 341-146-37-30

July 14

2032. ♀	<i>Perognathus</i>	22.0 g.	no emb, parous 189-101-23.5-9
2033. ♂	<i>Reithrodontomys</i>	10.5 g.	testes 9.5 mm, desc. 150-77-17-14 4 emb x 23 mm.
2034. ♀	<i>Peromyscus maniculatus</i>	32.0 g.	181-75-20.5-18 3 emb x 9 mm.
2035. ♀	"	25.1 g.	198-99-23-20.5 testes 11 mm, desc.
2036. ♂	"	24.1 g.	183+-88+-22-19 3 emb x 4 mm.
2037. ♀	"	28.0 g.	157+-56+-23-22 testes 18 mm, desc.
2038. ♂	<i>Neotoma</i>	313.8 g.	362-148-37-30 test. 3 emb x 75 mm.
2039. ♀	<i>Lepus californicus</i>	3210 g.	589-58-126-134 testes 14 mm.
2040. ♂	<i>Peromyscus</i>	235.1 g.	221-111-25-22.5

Rio de San Pedro, NW side San Antonio, Aguascalientes, MexJuly 15

2041. ♀	<i>Baiomys</i>	14.2 g.	3 emb x 10 mm, test. 115-42-14-12
2042. ♂	<i>Peromyscus maniculatus</i>	22.5 g.	testes 10 mm, desc. 172-75-21-18

LIDICKER

1959

Rio de San Pedro, NW side San Antonio Aguascalientes, Mex.

July 15

- 2043 ♂ *Peromyscus maniculatus* 25.2 g. testis 11 mm, desc.
163-68-21.5-18
2044 ♂ *Mus musculus* 16.5 g. testis 7.5 mm, desc.
170-85-18-13
7500 ft.

8 mi. WNW Colonia ~~San~~ Presidente Calles, Aguascalientes, Mex.

July 15

- 2045 ♂ *Sylvilagus floridanus* testis 13x4 mm. 336-
556.2 g. 37-77-60

July 16

- 2046 ♀ *Bairdomys* 9.1 g. no emb, parvo 1057-33+-13.5-11.5
2047 ♀ *Peromyscus* 28.3 g. no emb, lact 158+-57+-21.5-22
2048 ♂ " 21.7 g. testis 7.5 mm. 188-95-22-19
2049 ♀ " 18.6 g. no emb, ripens 174-87-21-19
2050 ♀ " 18.9 g. no emb, non-parvo 189-99-22-21
2051 ♂ " 23.6 g. testis 11x5.5 mm 200-110-22.5-22

3/4 mi. N Colonia Presidente Calles, Aguascalientes, Mex.

July 15

2052. ~~Callosomys~~ *Holbrookia maculata*

3 mi. N Cerro ^{del} Jagüey, 8200 ± ft. Sierra Tña, Agoc., Mex.

July 17

- 2053 ♂ *Reithrodontomys* 9.5 g. sv. enlarged, epid. test. enlarged 147-76-17-14
2054 ♀ " 9.6 g. no emb, parvo 147-77-17-14
2055 ♂ *Peromyscus boylii* 22.3 g. testis 10 mm. 171-99-23-22
2056 ♂ " 21.9 g. testis 9 mm. 182-96-23-22
2057 ♂ *Syntherisma ~~schlegelii~~ leucotis* 41.3 testis 9 mm, desc. 183-74-26-18
2058 ♀ " 58.9 g. 3 emb x 8 mm. 209-80-26.5-17
2059 ♀ *Neotoma* 104.4 g. no emb, non-parvo 301-137-35-25
2060 ♀ " 192.2 g. 2 emb x 12 mm. lact. 318+-123+-35-27

LIDICKER

1959

3 mi. N Cerro del Jaque, 8200 ± ft, Sierra Dña, Aguascalientes

July 17

2061. ♀ <i>Peromyscus difficilis</i>	25.7 g.	no emb, non-purus 219-112-24-25
2062. ♀ "	29.9 g.	no emb, purus 226-119-25-24
2063. ♀ "	33.6 g.	no emb, 7 pl. scars 241-124-26-26
2064. ♀ "	34.4 g.	no emb, non-purus 223-119-25.5-26
2065. ♀ <i>Sigmodon leucotis</i>	114.0 g.	2 emb x 39 mm. 253-98-26-19
2066. ♀ "	40.1 g.	no emb, non-purus 171-64-25-17
2067. ♂ <i>Peromyscus difficilis</i>	29.9 g.	testes 11 mm, dec. 235-128-24.5-23
2068. ♀ "	33.8 g.	no emb, purus 235-127-24-24.5
2069. ♂ "	35.6 g.	testes 13 mm, dec. 236-129-25-24
2070. ♂ "	33.1 g.	testes 12 mm, dec. 228-124-25-24.5

July 18

2071. ♂ <i>Reithrodontomys</i>	9.2 g.	testes 7 mm, dec. 143-72-16.5-13
2072. ♂ <i>Peromyscus</i>	21.9 g.	testes 6 mm. 184-89-22-18.5
2073. ♂ <i>Neotoma</i>	35.9 g.	testes 6 mm. 200-85-29-20
2074. frog <i>Eleutherodactylus angustis</i> (N.K. JOHNSON)		lact, no emb.
2075. ♀ <i>Sciurus poliopterus</i>	866.0 g.	566-270-75-32
2076. ♀ <i>Peromyscus difficilis</i>	38.7 g.	no emb, purus 249-130-24.5-24
2077. ♀ <i>Neotoma</i>	36.4 g.	no emb, non-purus 208-89-29-20
2078. <i>Rana pipiens</i>		testes 6 mm.
2079. ♂ <i>Thomomys umbrinus</i>	90.3 g.	203-59-27.5-5
2080. ♀ "	81.0 g.	1 emb x 18 mm. 189-57-26.5-6

July 19

2081. <i>Sceloporus grammurus</i>	
2082. " <i>tonguatus</i>	

LIDICKER

1959

3 mi. N Cerro del Jagüey, 8200 ± ft. Sierra Dña, Aguascalientes

July 19

2083. ♂	<i>Thomomys umbrinus</i>	88.3 g.	testes 13 mm. 202-60-28-5
2084. ♂	"	101.8 g.	testes 12 mm. 201-53-27-5
2085. ♀	<i>Neotoma</i>	184.6 g.	2 emb x 24 mm. 350-163-32-27
2086. ♂	<i>Sciurus joliotus</i>	645.3 g.	testes 13 mm. 545-261-77-32.5
2087. ♂	<i>Eptesicus fuscus</i>	16.3 g.	testes 3 mm. 115-45-13-18

July 20

2088.	alligator lizard <i>Serrhonotus imbricatus</i>		testes 12 mm, dec.
2089. ♂	<i>Peromyscus truei</i>	28.2 g.	215-111-24-25.5 no emb, non-fert
2090. ♀	"	22.1 g.	174+-76+-23.5-22.5 testes 8 mm.
2091. ♂	"	21.4 g.	153+-59+-22-22 testes 8.5 mm.
2092. ♂	<i>Reithrodontomys</i>	8.8 g.	143-73-16.5-14 testes 7 mm, dec.
2093. ♂	"	8.5 g.	147-74-16.5-14 no emb, non-fert
2094. ♀	"	8.7 g.	142-76-17-14 testes 7.5 mm, dec.
2095. ♂	"	9.2 g.	146-76-16.5-14
2096.	<i>Phrynosoma orbiculare</i>		

3 mi. N Cerro del Jagüey, 8700 ± ft. Sierra Dña, Aguascalientes

July 21

2097.	hybrid <i>Hyla arenicolor</i>		yellowish on femur, tibia, + lower belly 1 emb x 34 mm.
2098. ♀	<i>Neotoma mexicana</i>	144.4 g.	308-137-34.5-28 testes 10 mm, dec.
2099. ♂	<i>Peromyscus difficilis</i>	29.5 g.	224-118-24-24.5 no emb, eff. test., but testes not very mature
2100. ♀	"	34.1 g.	212-112-24-25 testes 6.5 mm, not dec.
2101. ♂	"	34.6 g.	221-116-24-24.5 no emb, non-fert
2102. ♀	"	29.9 g.	232-124-26-24

July 22

2103.	hybrid <i>Hyla arenicolor</i>		yellowish on femur, tibia, lower belly, + lower fore legs
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1959

Aug 21

5 ans + 28 mm.

100.2 g. 238-91-27.5-19

no ends

29.9 g. 174-68-25-16

July 22

~~to 13 mm, dec~~

28.4 g. 211-108-24-24

~~task~~ 10.5 mm.

20.4 g. 192-94 - 22.5 - 22.5

no ends, power

22.0g. 204-107-22-24

total 9.5 mm, disc.

25.8g. 170-72-23-18

2/11/ Sceloporus grammurus

3 mi. N Cerro del Juguio, 8700 ± ft., Sierra Tría, Aguascalientes

Aug 22

2112. ♂ *Phaenicticus melanocephalus*.

test 5.5 x 4 mm 46.4 g. ad.

July 23

2113. ♀ *Peromyscus difficilis*

2 emb + 2 cl. cont. inf., infp. large, 3 emb x 22 mm.
side + 1 emb x 1 cl. ^{late} 41.2 g. 248-127-25-

41.2 g. 240-127-25-24

in early June

24.45. 218-120-24-23.5

2115. ♂ *Neotoma mexicana*

~~test~~ 20 mm, desc.

154.2 g. 332-150-33-25

3 mi. N Cerro del Jazmín, 8200 ± ft. Sierra Fria, Azuarcabito

July 23

2116. ♀ *Synaldis leucotis*

(D. TAYLOR)

5 emb x 13 m₂ all in 1 hour

809g. 228-92-27-18

2117 ♂ *Neotoma mexicana*

(")

192.6 g. $3/2 + -118 + -33 - 27$

2118 ♂

()

160.0 g. 326-144-33-28

4 1/2 mi NW Calvillo, 6000 ± ft. Aguarcalientes

July 24

2119. *Rana pipiens*



LIDICKER
1959

NE side Presa Calles, Aguascalientes, Mex.

July 24

2120. chub

2121. chub

4 1/2 mi. NW Calles, 6000 ± ft. Aguascalientes, Mex.

July 25

2122. ♂ *Perognathus nelsoni*

15.65. ^{testes 2.5 mm, dec.} 167-87-21.5-8
~~testes 5 mm.~~

2123. ♂ *Sciomy*

9.35. ^{testes 4 mm} 116-50-14.5-11.5

2124. ♂ "

7.95. ^{testes 5 mm, dec.} 106-42-14-11

2125. ♂ "

9.85. ^{3 emb x 2 mm.} 114-44-14.5-11

2126. ♀ "

12.65. ^{testes 13 mm, dec.} 100+-28+-14.5-11.5

2127. ♂ *Dipodomys ornatus*

49.75. ^{no emb.} 280-171-39-14.5

2128. ♀ *Liomys inornatus*

50.15. ^{no emb., ~~large~~} 241-122-29.5-15.5

2129. ♀ "

49.25. ^{testes 22 mm, dec.} 241-123-31-14.5

2130. ♂ "

57.35. ^{no emb., non-parr.} 250-128-31-15

2131. ♀ "

46.45. ^{testes 22 mm, dec.} 251-131-30.5-15

2132. ♂ "

51.35. ^{3 emb x 15 mm.} 137+-20+-29.5-14

2133. ♀ *Peromyscus pectoralis*

24.75. ^{testes 11 mm, dec.} 212-115-21.5-19

2134. ♂ "

24.15. ^{testes 10 mm, dec.} 211-116-21.5-19

2135. ♂ ^{maniculated} "

24.55. ^{no emb., parr.} 172-74-22-18.5

2136. ♂ "

24.98. ^{ect. and part of 2 emb.} 163-66-20.5-18.5

2137. ♀ *Neotoma albigula*

263.15. ^{no emb. non-parr.} 376-170-38-30

2138. ♀ *Syllilagus*

373.55. 277-29-69-55

2139. *Cnemidophorus sacki*

July 26

2140. ♂ *Perognathus nelsoni*

^{testes 6 mm.} 10.75. 171-98-20.5-7.5

1959

4 1/2 mi. NW Calvilla, 6000 ± ft., Aguascalientes, Mex.July 262141. ♀ *Liomys irroratus*55.3 g. ^{no emb} 257-135-30.5-162142. ♀ *Signatus hispidus*34.6 g. ^{no emb, non-fert} 197-91-29-19July 252143. ♀ *Citellus variegatus*

(N.K. JOHNSON)

648.1 g. ^{no emb, very plump} 520-232-63-29July 262144. ♂ *Colinus virginianus*

(P. TAYLOR)

ad. 163.0 g. ^{testes 14 x 5 mm.}1/2 mi. S La Labor, 6000 ± ft., Aguascalientes, Mex.July 272145. ♂ *Peromyscus*^{testes 4.5 mm.}

8.9 g. 114-48-14-11

2146. ♀

^{1 emb x 6.5 mm}

9.7 g. 116-54-14-11.5

2147. ♂

^{testes 4.5 mm.}

9.1 g. 110-44-14-12

2148. ♀

^{3 emb x 4 mm.}

10.1 g. 118-44-14.5-12

2149. ♀ *Signatus*^{no emb, non-fert}

16.6 g. 153-67-23.5-15

2150. ♂ *Peromyscus pectoralis*^{testes 10 mm.}

21.6 g. 215-124-21-17.5

2151. ♂ " *mammillatus*^{testes 11 mm, desc.}

21.8 g. 160-66-21-18.5

2152. ♂

^{testes 11 mm, desc.}

27.8 g. 170-73-21-19

~~2153. ♂ *Rattus rattus*~~~~^{testes 14 mm, desc.}~~~~71.4 g. 228-176-32-22~~La Labor, 6000 ± ft., Aguascalientes, Mex.July 272153. ♂ *Rattus rattus*^{testes 14 mm, desc.}

71.4 g. 228-176-32-22

1/2 mi. S La Labor, 6000 ± ft., Aguascalientes, Mex.July 272154. ♂ *Peromyscus maniculatus*^{testes 9 mm, desc.}

22.8 g. 154-58-20-17.5

2155. ♀

17.5 g. 153-63-22-17.5

LIDICKER
1959

1/2 mi. S La Labor, 6000 ± ft. Aguascalientes, Mex.

July 27

2156 ♀ *Peromyscus maniculatus*

23.2g. 167-67-21-18
test. 9 mm, desc.

2157 ♂ " "

20.0g. 163-69-21.5-17

2 mi. SW Los Caños, 16 mi. SW Aguascalientes, Agoc.

July 27

2158 ♂ *Dipodomys ornatus*

~~test 12 mm, desc.~~
56.8g. 278+-163+-41-14

July 28

2159 ♂ *Bassomys*

test. 5 mm.
8.0g. 105-47-14-11

2160 ♂ "

test 3.5 mm
8.7g. 112-44-14.5-12
2 emb. x 19 mm.

2161 ♀ "

11.2g. 111-48-15-11.5
no sub, fetus

2162 ♀ "

11.0g. 117-49-15-12
no sub, fetus

2163 ♀ "

9.6g. 113-46-15-11
test. 8 mm.

2164 ♂ *Dipodomys ornatus*

50.6g. 285-174-41.5-15
test. 11 mm, desc.

2165 ♂ " "

54.5g. 292-180-42-14

20 mi. S, 14 mi. E Escuinapa, Sinaloa, Mex.

July 29

2166. kinosternid

5 mi. N Cerro Campana, 5600 ft., Chihuahua, Mex.

June 28

2167? *Mephitis*

SKULL ONLY PICK UP

(A. H. MILLER)

1 1/2 mi. SSE Acaponeta, Nayarit, Mexico

July 29

2168. iguanid (lg. green)

DOR. (N. K. JOHNSON)

7 mi. SE Escuinapa, Sinaloa, Mexico

July 29

2169. *Heloderma*

DOR

(N. K. JOHNSON)

LIDICKER

1959

Brooks Island, Contra Costa Co., California

Aug. 3

2170. *Thamnophis* (pregnant) from near N end
Petaluma, Humboldt Co., California

Aug. 19

2171. *Rana*

2172. *Thamnophis*

Brooks Island, Contra Costa Co., Calif.

Aug. 29

2173. *Thamnophis* from N end

July 5

2174.	♂	<i>Microtus californicus</i>	47.4 g.	190-56-21-14
2175.	♀	"	44.9 g.	174-46-21-15
2176.	♀	"	44.3 g.	185-51-21-15
2177.	♂	"	40.0 g.	176-50-23-14

Aug. 3

2178.	♂	"	41.9 g.	187-56-23-14
2179.	♂	"	45.2 g.	198-57-22-15

June 21

2180. ♂ " chosen deliberately from sample
" (unusually pale indiv.) 30.4 g. 165-48-22-13

Sept. 13

2181.	♂	"	46.3 g.	186-54-23-16
2182.	♂	"	38.7 g.	180-47-22-16
2183.	♀	"	43.5 g.	185-51-21.5-15

Aug. 3

2184.	♀	"	39.6 g.	175-50-21-16
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LIDICKER
1959

Brooks Island, Contra Costa Co., California

Aug. 16

2185. ♂ *Microtus californicus* 43.3 g. 186-55-23-16
2186. ♂ " " 38.7 g. 181-52-23-14

Aug. 30

2187. ♀ " " 56.9 g. 179-49-21-15

Sept. 27

2188. ♂ " " 52.7 g. 184-66-22-16
2189. *Thomomys* (north end)
2190. ♀ *Microtus californicus* 40.5 g. 179-51-21-14
2191. ♂ " " 51.6 g. 196-58-23.5-16
2192. ♂ " " 50.2 g. 189-53-23-16

Oct. 25

2193. ♀ " " selected from sample because of buff color.
45.7 g. 185-51-21.5-17
2194. ♂ " " selected from sample because of buff color
52.6 g. 198-56-23-17

Mar. 28

2195. ♀ " " 63.6 g. 176-47-19.5-13

3 $\frac{3}{4}$ mi. E, 1 mi. S San Benito, San Benito Co., Calif.

Dec. 30, 1957, died in captivity Dec. 18, 1959

tip of tail broke off shortly after capture, testes 10 mm (not desc.)

2196. ♂ *Dipodomys elephantinus* ^{+ regaining} 48.4 g (emaciated) ^{when skinned} 276+ - 145+ - 46.5-20.5

Brooks Island, Contra Costa Co., Calif.

March 15

2197. ♂ *Microtus californicus* 46.5 g. 175-46-21-15.5
2198. ♂ " " 47.4 g. 185+ - 51+ - 22-14
2199. ♀ " " 50.7 g. 188-55-21.5-14

LIDICKER

1959

Brooks Island, Contra Costa Co., Calif.

April 26

2200.	♂	<i>Microtus californicus</i>	50.5 g.	188-48-21-14.5
2201.	♀	"	46.7 g.	184-49-22.5-15

Aug. 3

2202.	♂	"	44.4 g.	179-51-21-14
2203.	♂	"	42.4 g.	179-54-22-15

Aug. 30

2204.	♂	"	41.6 g.	183-53-21.5-14
2205.	♂	"	47.2 g.	173-48-20.5-15

~~2206.~~

April 12, 1959

2206.	♂	"	38.0 g.	181-52-22-13
2207.	♂	"	38.1 g.	171-46-22.5-14
2208.	♂	"	38.1 g.	182-54-21-13
2209.	♂	"	40.2 g.	178-48-21.5-13.5
2210.	♀	"	40.7 g.	174-48-20.5-13

April 26

2211.	♂	"	46.2 g.	184-51-20-14.5
2212.	♀	"	41.5 g.	184-53-21-14.5
2213.	♂	"	42.9 g.	180-51-21.5-13
2214.	♂	"	60.3 g.	195-56-21-14

May 10

2215.	♂	"	45.6 g.	185-52-21-14
2216.	♂	"	46.2 g.	193-56-20.5-15.5
2217.	♂	"	38.1 g.	182-54-22-13
2218.	♂	"	40.2 g.	179-49-22-13.5

LIDICKER, N.

Catalogue

ker, N. 1.

1957

+

1958

Spide Kern R., 11 ^{mi.} ENE Bakersfield, Kern Co., California

Nov. 29

19. ♀ *Peromyscus maniculatus* 162 5 emb x 2 mm. resorbing
+55 - 72 - 20 - 17
no emb., 4 pl. scars
20. ♀ " " 171 - 77 - 21 - 18

4 mi. NE Caliente, Kern Co., California

Nov. 30

21. ♀ *Peromyscus boylii* no emb.
254 - 131 - 27 - 26
22. ♂ " *maniculatus* testes 6 mm.
198 - 93 - 22 - 19

3 1/4 mi. S, 1 3/4 mi. E San Benito, San Benito Co., California

Dec. 30

23. ♂ *Peromyscus truei* testes 10 x 5 mm.
194 - 96 - 24 - 22.5
24. ♀ " " 3 emb. x 2.5 mm.
198 - 100 - 22 - 24

3 mi. S, 1 1/4 mi. E San Benito, San Benito Co., California

Dec. 30

25. ♀ *Peromyscus maniculatus* 6 resorbing scars
169 - 75 - 21 - 18

5 1/2 mi. N Banner, San Felipe Valley, San Diego Co., Calif.

Mar. 31, 1958

26. ♂ *Peromyscus maniculatus* testis 10 x 7 mm
152 - 69 - 19 - 17
27. ♂ " " testis 11 x 8 mm
179 - 84 - 22 - 18
28. ♀ *Onychomys torridus* 4 emb. x 1.5 mm. + 1 resorb. x 6 mm
153 - 54 - 20 - 18
29. ♂ *Thomomys bottae* testis 7 x 5 mm.
210 - 72 - 29 - 8

2 1/10 mi. W Yagui Well, Yagui Well Valley, San Diego Co., Calif.

Apr. 1, 1958

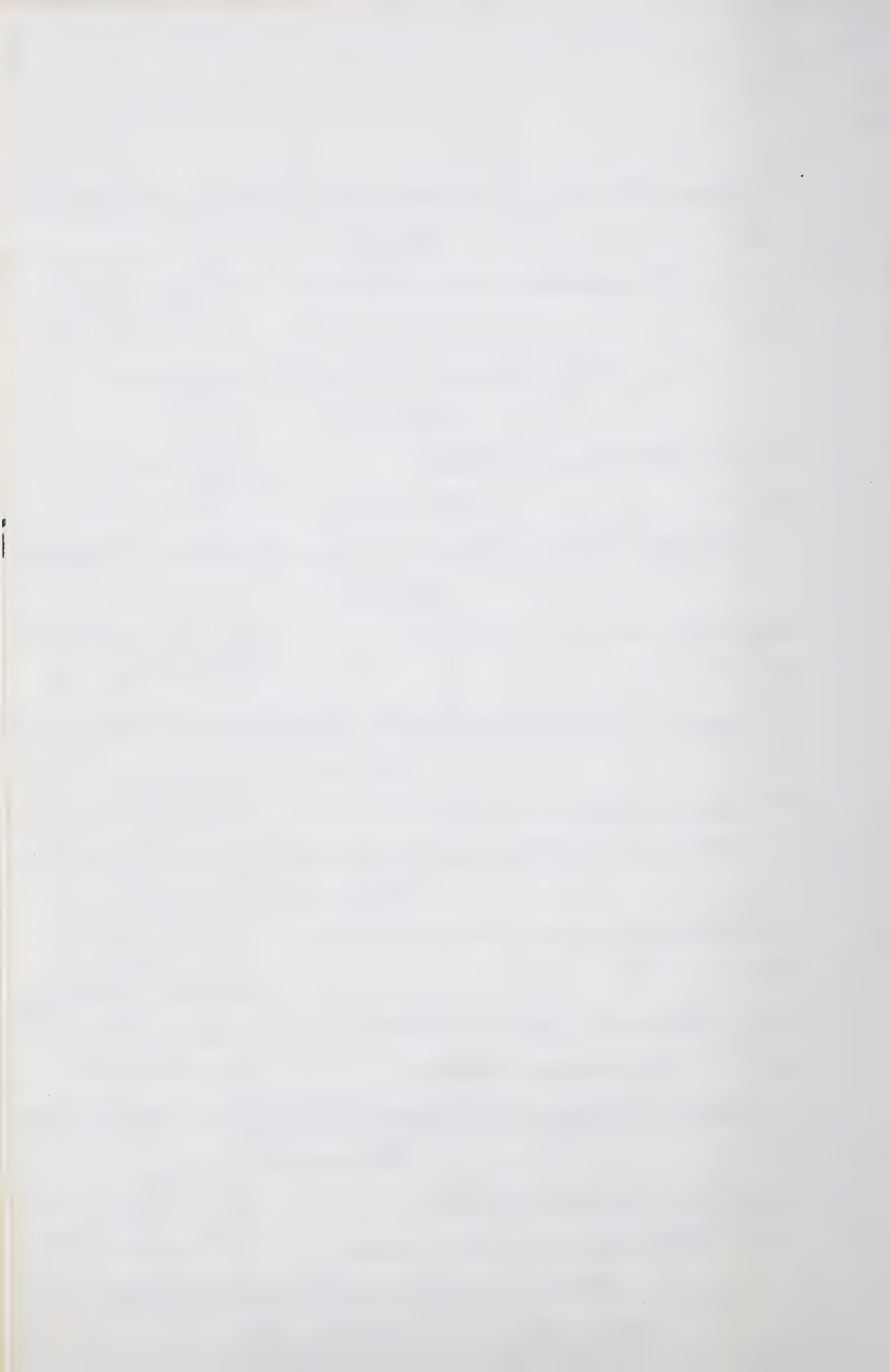
30. ♀ *Perognathus baileyi* no emb.
192 - 107 - 24 - 9
31. ♀ *Peromyscus eremicus* 3 emb. x 10 mm.
208 - 117 - 21 - 19

2 1/4 mi. S, 3 3/4 mi. E Agua Caliente, Vallejo Valley, San

Diego Co., Calif.

Apr. 2, 1958

32. ♀ *Dipodomys merriami arenivagus* 225 - 136 - 36 - 13



1958

1 mi. W Jacumba, San Diego Co., California

Apr. 3

33. ♂ Peromyscus maniculatus testis 11x7 mm.
179-84-22-19
34. ♀ " " 4 emb. x 19 mm.
165-73-21-18

Carrizo Canyon, 6.9 mi. S, 2 1/2 mi. E Mountain Palm Spr., San Diego Co., Calif.

Apr. 4

35. ♀ Perognathus penicillatus no embs.
187-102-24-9
36. ♂ " spiratus testis 8x5 mm.
californicus 181-104-21-9
37. ♂ Peromyscus eremicus testis - 15x8.5 mm.
207-116-21-21
38. ♀ " " no embs.
207-114-21-20

3 mi. NW Jacumba, San Diego Co., California

Apr. 3

39. ♂ Peromyscus eremicus testis 11 mm., S.V. 20 mm.
209-111-22-20

7 mi. WSW Cuahatemoc, Chihuahua, México

June 23

40. ♂ Peromyscus maniculatus testis 8x6 mm.
156-64-22-18
41. ♂ Reithrodontomys testis 9x5 mm.
160-87-22-18.5
42. ♂ Peromyscus testis 12x7 mm.
199-105-21-19

June 24

43. ♂ Onychomys leucogaster testis 7x4 mm.
124-45-19-17
44. ♀ " " 3 emb. CR 17 mm lactating
140-42-19-15

15 mi. N Cd. Camargo, Chihuahua, México

June 25

45. ♀ Perognathus no embs.
171-90-22-7.5
46. ♀ " no embs.
167-80-22-7.5
47. ♀ Dipodomys merriami 8 no embs.
246-148-38-13



idicker, N.I.
1958

7 mi. WSW Cuah^utemoc, Chihuahua, México

June 23

- H8 Phrynosoma ~~diculare~~ or douglassi
H9 Iguanid Scoloporus scalaris
50. " " "
51. " " "
52. Scoloporus " "

June 24

53. Scoloporus " "

3 mi. NNW Hidalgo del Parral, Chihuahua, Méx.

June 27

54. Cnemidophorus sachi

7 mi. S Villa Matamoros, Chihuahua, Méx.

June 27

55. Cnemidophorus sachi

3.7 mi. by road S La Cuesta, Durango, Méx.

June 28

56. ♂ Perognathus

testis 8x4.5 mm.
187-103-23-9.5

57. ♀

"

no embs.
190-110-23-10

S side Mil Dias, 1 mi. NW El Salto, Durango, Méx.

June 29

58. ♀ Peromyscus

2 embs. CR 18 mm.
187-92-23-19

3.7 mi. by road S La Cuesta, Durango, Méx.

June 28

59. Skink Eumeces ~~booleatus~~

60. Cnemidophorus tigris?



1958

S side Mil Dias, 1 mi NW El Salto, Durango, Méx.

June 30

61. ♂ *Peromyscus*

testis 13.5 x 8 mm
212-118-23-25

62. ♀ "

4 embs. CR 8 mm.
175+-76+-22-26

July 1

63. ♀ "

3 embs. CR 20 mm.
198-90-23-25

64. ♂ "

testis 11 x 7 mm

65. ♂ "

193-98-22-24

testis 12 x 8 mm.
198-103-23-24

1.5 mi. NW Mil Dias, 3 mi. NW El Salto, Durango, Méx.

July 2

66. ♀ *Peromyscus*

no embs. lactating
231-123-24-26

67. ♀ "

no embs.
200-110-25-24

68. ♀ "

3 embs. x 8 mm. lactating
+ 3 embs. resorbing
219-121-23-23

69. ♀ *Neotoma*

229+-52+-32-28

July 3

70. ♀ *Peromyscus*

223-124-24-23

71. ♂ *Neotoma*

341-153-36-29

S side Mil Dias, 1 mi. NW El Salto, Durango, Méx.

June 29

72. Colubrid' *Thamnophis melanogaster*

73. " "

74. " "

75. " " *macrosternum*

76. *Rana pipiens*

77. Small green Hyla. -14 *eximia*

E side Mil Dias, 1 mi. NW El Salto, Durango,

21

dicker, N.
1958

E side Mil Dias, 1 mi. NW El Salto, Durango, Mex.
June 29, 1958

78. Gray *Hyla arenicolor*
79. *Sceloporus* ~~sp.~~ *jarrowi*
80. " *jarrowi*
81. " *jarrowi*
82. " *jarrowi*
83. " (~~torquatus~~ group)

S side Mil Dias, 1 mi. NW El Salto, Durango.
July 1, 1958

84. *Sceloporus* (*torquatus* gp) *joinsatti*

July 2

85. Alligator lizard *Dorhondus* (*Barisia*) *imbricata*

2 mi. NW Mil Dias, 3.5^{mi} NW El Salto, Durango, Mex.

July 1

86. *Rana pipiens*
87. *Thamnophis* sp. *macrostemma*
88. " sp. "

1.5 mi. NW Mil Dias, 3 mi. NW El Salto, Durango, Mex.

July 3

89. *Sceloporus* ~~sp.~~ *jarrowi*

2 mi. NE El Salto, Durango, Mex.

July 3

90. *Thamnophis* sp. dull orange buff venter. ^{*eques*}

July 4

91. " " *diff.* sp. pale blue venter, ^{*macrostemma*}
except first 3 inches which is pale yellow.

Lidicker, N
1958

17 mi. SE Nombre de Dios, Durango, Méx.

July 5, 1958

92. *Scaphiopus*

93. ~~B. f.~~ *Scaphiopus hammondi*

4 1/2 mi. E Fresnillo, Zacatecas, Méx.

July 6

- | | | | |
|------|---|-------------------------------|---|
| 94. | ♀ | <i>Dipodomys merriami</i> | no embos.
253-142-41-14
testis 11 mm. |
| 95. | ♂ | " " | 265-154-41-14
no embos. |
| 96. | ♀ | " " | 238-144-39-14
test. X 13 mm. |
| 97. | ♂ | <i>Peromyscus maniculatus</i> | 181-76-23-19
test X 7 mm. |
| 98. | ♂ | <i>Dipodomys merriami</i> | 238-138-40-12
7 embos. test 8 mm. |
| 99. | ♀ | <i>Citellus</i> sp. | 231-64-35-11
test. X 5 mm.) |
| 100. | ♂ | " " | 175-51-31-9
no embos. |
| 101. | ♀ | " " | 166-50-32-8
(test. 20 X 11 mm.) |
| 102. | ♂ | " " | 235-867-34-12 |

17 mi. SE Nombre de Dios, Durango, Méx.

July 5

103. ~~B. f.~~ *Scaphiopus hammondi*

Tepic

2 mi. E Tepic, 2/10 mi. S, 11 3/4 mi E Rincon de Romos, Agsc. Méx.

July 8

- | | | | |
|------|---|-------------------|--|
| 104. | ♀ | <i>Peromyscus</i> | no embos.
196-104-22-19
test. X 11 mm. |
| 105. | ♂ | " | 209-111-23-21 |

July 9

- | | | | |
|------|---|-------------------|----------------------------------|
| 106. | ♂ | <i>Peromyscus</i> | 190-100-21-17 |
| 107. | ♀ | " | 200-108-21-19
test. X 11 mm.) |
| 108. | ♂ | " | 191-102-22-17 |
| 109. | | <i>Peromyscus</i> | 170-92-21-15 |

1958

Tepezalá

2 mi. E Pasala, 2/10 mi. S, 11 3/4 mi. E

Rincon de Romo, Agse., Méx.

110.

July 10

110. ♀ *Perognathus*

no embs

190-106-24-9

test. X 8 mm.

111. ♂ "

201-112-24-9

test. X 7 mm.

112. ♂ "

194-106-24-9

2 embs. X 7 mm.

113. ♀ *Peromyscus*

181-95-21-19

2 embs. X 12 mm.

114. ♀ "

197-103-22-21

3 embs. X 4 mm

115. ♀ "

186-99-21-19

test. X 10 mm.)

116. ♂ "

(caught together) 190-105-21-18

last. no embs.

117. ♀ "

213-107-22-19

~~203-102-23~~

118. ♂ "

test. X 10 mm.)

203-102-23-19

1/3 mi. NW Ciudad de Los Niños, 7 mi. WSW Aguascalientes,
Agse. Mex

July 13

119. ♂ *Perognathus*

test. X 8 mm.

271-899-21-8

test. X 12 mm.)

120. ♂ *Dipodomys ornatus*

285-164-41-15

1/3 mi. S, 1 1/4 mi. E Rincon de Romo, Agse., Méx.

July 11

121. *Thamnophis* sp. *macrostemma*?

122. *Rana* sp. *pipiens*

123. *Cnemidophorus* *sacki*

124. " "

125. " "

126. " "

127. " "

128. " "

129. *Thamnophis* sp. *macrostemma*?

LIDICKER, N.

1958

1/3 mi. S, 1 1/4 mi. E Rincon de Romos, Agsc., Méx.

July 11

130. *Sceloporus* ~~sp.~~ *spinosus*

July 12

131. *Kinosternon* *integrum*?

5 1/2 mi. W Calvillo, Agsc., Méx.

July 14

132. ♂ *Peromyscus maniculatus*

test. X 10 mm.

170-77-22-18

133. ♂ *Dipodomys ornatus*

test. X 12 mm

294-178-41-17

134. ♂ "

test. X 13 mm

308-190-43-17

Ciudad de los Niños, 7 mi. WSW Aguascalientes,
Agsc., Méx.

July 13

135. baby frogs - *Rana* - 9

1/3 mi. NW Ciudad de los Niños, 7 mi. WSW Aguascalientes, Agsc.

July 13

136. *Cnemidophorus* *sacki*?

5 1/2 mi. W Calvillo, Agsc., Méx.

July 14

137. ♂ *Cnemidophorus* *sacki*?

1 km. S La Labor, 9 mi. by road N Calvillo Agsc. Méx.

July 14

138. *Bufo punctatus* (state record)

July 15

139. ♂ *Cnemidophorus* *sacki*?

140. (3) recently transformed *Scaphiopus* - 3

July 16

141. *Scaphiopus* *hammondi*

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1958

1 km. S La Labor, 9 mi. by road N Calvillo, Agsc., Méx.

July 16

142. *Scaphiopus*

143. "

144. "

145. "

146. "

147. "

2 mi. N Calvillo, Agsc., Méx.

July 17

148. *Bufo punctatus*

149. *Cnemidophorus* *sachi*?

150. " "

151. " "

7 1/2 mi. WSW Calvillo, Agsc., Méx.

July 18

152. *Sceloporus* ~~*taeniatus* sp.~~ *spinosus*

1/4 mi. E state boundary, 8 mi. SW Calvillo, Agsc., Méx.

July 20

153. ♂ *Peromyscus*

154. ♀ "

155. ♀ *Liomys*

test. x 10 mm.)

207-115-22-19
lact. no embs.

218-117-22-20
no embs.

252-123-32-17

Venaveros, 13 mi. W Aguascalientes, Agsc., Méx.

July 21

156. ♂ *Mus musculus*

157. ♀ "

test. x 8 mm.)

177-91-19-14
8 embs. x 5 mm.

175-86-20-14



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1958

1/4 mi. E State Boundary,
8 mi. SW Calvillo, Agsc., Méx.

July 19, 1958

158. ♂ *Cnemidophorus sakti*?

July 20, 1958

159. *Scaphiopus hammondi*

1 mi. S La Palma, 13 mi. NE Jalpa, Zacatecas, Méx.

July 19, 1958

160. ♂ *Cnemidophorus sakti*?

Venaveros, 13 mi. W Aguascalientes, Agsc., Méx.

July 22, 1958

161. ♂ *Peromyscus*

test. X 12 mm.
214-113-25-20

162. ♂ "

test. X 10 mm.
174+-187+-22-21

163. ♀ "

no embs.
183+-88+-23-21

1 mi. NE Viudas de Oriente, 11 mi. SE Rincon de
Romoe, Agsc., Méx.

July 23, 1958

164. ♀ *Dipodomys merriami*

no embs.
228-131-³⁹10
test. X 8 mm.

165. ♂ "

253-148-34-15
no embs.

166. ♀ *Citellus*

184-60-31-10

Venaveros, 13 mi. W Aguascalientes, Agsc., Méx.

July 21, 1958

167. *Scaphiopus*

168. "

169. "

170. "

171. "

172. "

173. "



LIDICKER, N.

1958

Venaverron, 13 mi. W Aguascalientes
Agsc., Mex.

July 21, 1958

174. *Scaphiopus hammondi*

175. "

176. "

177. "

178. *Phry^{no}soma obiculae*

179. "

11 mi. SE Guadalajara Jalisco, Mex.

July 23, 1958

180. *Bufo punctatus*

181. *Hylids*

182. "

7 mi. SSE Escuinapa, Sinaloa, Mex.

July 24, 1958

183. *Bufo kelloggi*

184. *Hylid*

10 mi. S Loschinos, 48 mi. S Casa Blanca, Sonora, Mex.

July 26, 1958

185. Black-~~st~~-red Colubrid *Drymarchon corais*

17 mi. S Casa Blanca, Sonora, Mex.

July 26

186. *Striped colubrid Masticophis lateralis*

30 mi NNW Mazatlan, Sinaloa, Mex.

July 25

187. turtle - *Geomyda pulcherrima* - with 2 ticks on dorsal surface. *Amblyomma dissimile* Koch

icker, N.

1959

13 mi. W, 1 mi. N Rumorosa, Baja California ^{del norte,}
del norte,
Med.
del norte,
March 31, 1959

188. ♂ *Peromyscus boylii* test. 13x7 mm. 195-107-21-21
189. ♀ " 3 embs. (CR 21 mm.) lact. 200-108-20-19
190. ♂ " *californicus* test. 10x6 mm. 228-126-25-25
191. ♂ " " test. 10x6 mm. 224-120-25-22
192. ♂ " *maniculatus* test. 11x6 mm. 171-78-20-17.5
193. ♀ " " 7 embs. (CR 4 mm.) 180-77-20-18

3 mi. SSW San Felipe, Baja Calif. del Norte, Mexico

April 2

194. ♀ *Dipodomys merriami* no embs. 252-145-37-15
195. ♂ " " test. 9x6 mm. 256-153-38-15
196. ♂ " " test. 11x6 mm. 246-141-38-14
197. ♂ " " test. 8.5x5 mm. 247-143-38-13
198. ♂ " " test. 9x6 mm. 251-143-37-15
199. ♂ " *deserti* test. 8x4 mm. 357-209-53-17

31 mi. N, 7 mi. W San Felipe, Baja Calif. del Norte, Mex.

April 3

200. ♂ *Dipodomys merriami* test. 7x4 mm. 237-136-37-13
201. ♀ " " no embs. 238-137-36-14
202. ♀ " " no embs. 234-134-37-13
203. ♀ " " no embs. 235-136-38-12
204. ♀ " " no embs. 238-134-37-14

MARLER, P.

Catalogue

MARLER

1958

4 1/2 miles E. of Fresnillo, Zacatecas, Mex.

July 6th 1958.

Testis 11 mm.

1. ♂ *Peromyscus* sp. *maniculatus*. 163-68-21-19
2. ♂ *Dipodomys* ^{ordi} ~~merriami~~ 234-137-36-13
3. ♀ *Citellus* sp. July 5th 1958 169
269-58-29-8

July 6th 1958.

7 emb x 8 mm.

4. ♀ *Citellus*. 219-63-30-9
5. ♂ *Citellus*. 224-62-34-9. Testis 26 mm.
6. juv ♀ *Citellus* 167-58-31-8

17 m SE Nombre de Dios, Durango, Mex.

July 5th 1958

7. ♂ *Aimophila* *botterri*

8. ~~♂ *Troglodytes*~~ ^{Tepazala} 2 m E ~~Tepejala~~, 2/10 m S, 11 3/4 m E Rincon de Romos
Aguascalientes Mex.

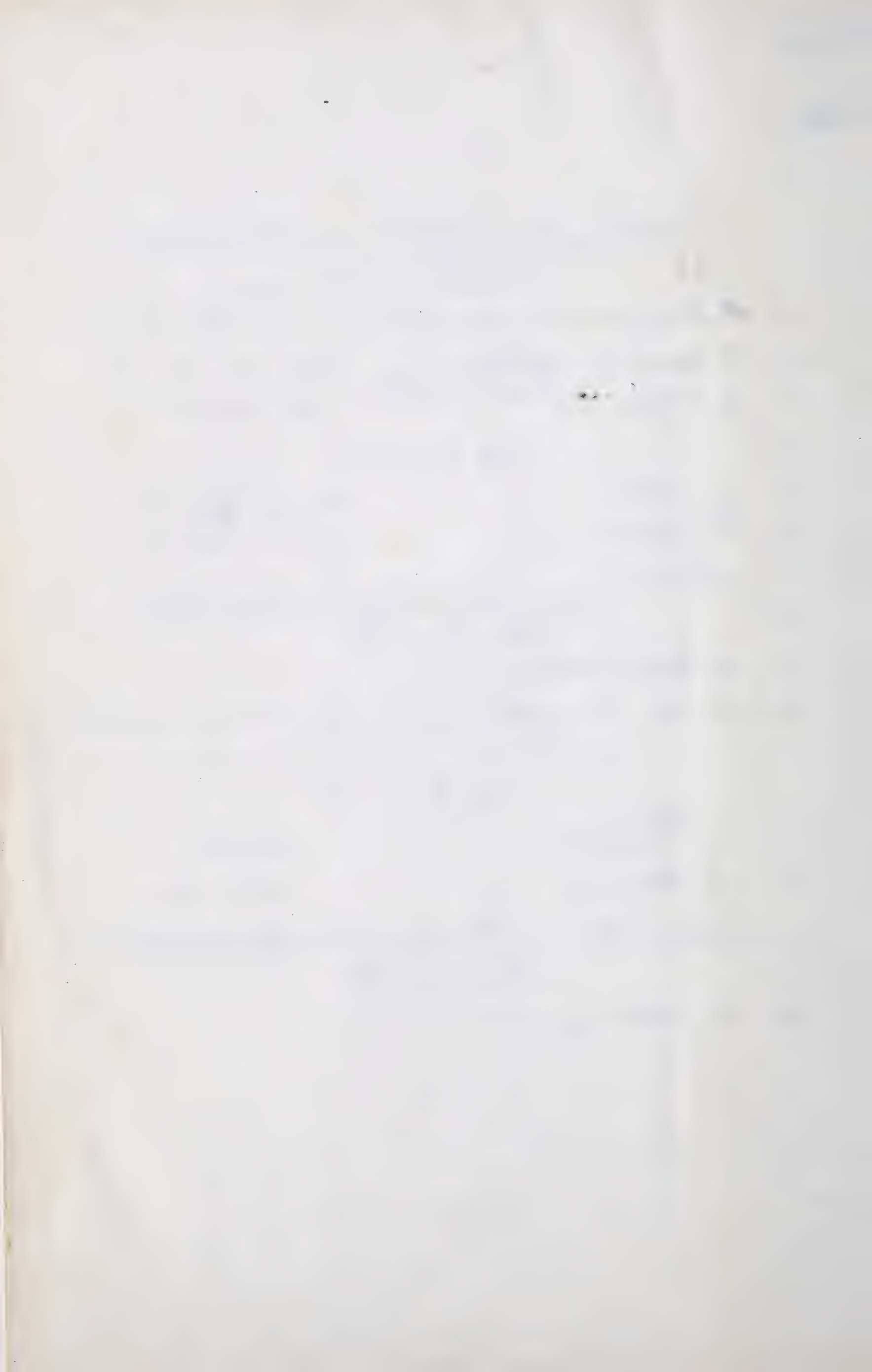
July 10th 1958

8. ♂ ^{Wren} *Troglodytes* sp. Testis 6 mm.
9. ♂ Wren sp. Testis 6 mm.

1/3 mi. S, 1 1/4 mi. E Rincon de Romos, Aguascalientes, Mex.

July 11th 1958

10. ♂ White winged dove



Journal

1958

Eastern San Diego County Trip

March 28 - Apr. 6 with NIL.

Mar. 28

Lv. Berkeley 1040. Took US 101 south toward Los Angeles. 2 mi. E Santa Barbara (W of Sta. Barbara) we stopped to look at the ocean. Saw:

Turkey Vulture - 4 (circling over ocean, & then continued inland)

Surf Scoter - 15

W. Grebe - 20

num. Gulls & Cormorants. ~~Sf~~

Spent night in motel in Ventura.

Mar. 29

Continued into LA & spent day visiting with Schroeter & Horvich. Spent night with Schroeter in Granada Hills.

Mar. 30

Continued S on US 101. Stopped at Anaheim to visit Cinerama & briefly visit Disneyland. About 1230 we headed E on Calif 18 to Corona. Then turned S on Calif. 71. About 1 mi. N of Glen Day Hot Spg. turnoff there are a few areas which seem like they may have vermicorn in them, but in general the area is grassy & seems too thick. Just S of above turnoff - there are a few good looking areas on eroded slopes. 1 mi. S turnoff is good looking area on the flat. 3 mi S " is fairly extensive & good-looking

LIDICKER
1958

(Mar. 30 cont.)

areas, esp along some creek bottoms. Med. size mt. range immediately to the east of highway. Saw 2 Ravens in this area. S of Aberville it looks too thick again for merriami. Began to rain when we got to Elsinore. At Wildomar turnoff the valley is green & grassy & cultivated; the hills are brushy, however, & may have merriami on them. In the vic. of Murrieta the rd. descends into a broad green valley, no mts nearby & seems very unlikely that merriami would be here. Continued on 71 toward Aguanga. 10 mi W of jct with Calif 79 saw a Marsh Hawk, Sp. Hawk & about 13 T. Vultures. 8 mi W of jct. - could possibly be merriami habitat, but poor; begins to get hilly here with brush covered slopes. 2 mi. farther sage brush begins & habitat looks much better. At 4 mi. W of jct with 79 is Dripping Spgs area. Here the veg. is thicker again with much Adenostoma etc. Beyond this the habitat opens up again. The area around the jct. looks good & merriami probably there. Also saw raven here. Continued S on Calif. 79. 3 mi. beyond jct (1 mi. from Aguanga) there are low hills & slopes which look suitable for merriami, however, the higher slopes to the west & south do not. S. of Aguanga the road begins to climb into boulders -

LIDICKER
1958

(Mar. 30 cont.)

covered hills; merriami probably present. 2 mi. beyond Aguanga is the San Diego Co. line. Here the rd. begins to descend slightly; we turn into to the W. There is still cholla + shrubby veg. with much Adenostoma^{fasciculatum}, a little sage, + another chemise-like shrub; the soil here is quite sandy. 3 mi. further this chemise-like shrub (bark peels revealing a reddish color) forms almost a forest 6-8 ft. high. The understory is ~~still~~ mainly sage. Another mi. + we reached Oak Grove. This is located in a flat grassy valley extending eastward. Hills on E side of valley look dry + merriami may be there. About 4 mi. beyond Oak Grove we stopped to look around. Saw a no. of holes which were probably D. agilis; lots of gophers. Also saw bluebirds, Audubon's Warblers, Oregon juncos, wh.-c. Sparrows + Lark Sparrows. Another mi. further is a low green valley (Paradise Ranch) sloping southward.

At 6 mi. beyond Oak Grove the elevation is 3200 ft. (Sunshine Summit) + a large valley slopes southward. At 8 mi from Oak G. we picked up a wash going S. 3 mi. further (4 mi. above Warner Spgs) saw 2 Sp. Hawks; still in large, open, grazed field which extends far to west. There may be brushy slopes to the east. At 2 mi. above Warner Spgs, sage brush, hills + seemingly suitable habitat

Adenostoma
arsifolium →

LIDILKER
1958.

(Mar. 30 cont.)

for merriami returns. Around Warner Spring the soil is quite reddish; saw a few Lark Sparrows. About 4 mi further we junctioned with rd. going directly to Scissors Crossing thru San Felipe Valley. We turned off on this road. At 9 mi. above Scissors Crossing is the San Felipe Maintenance Sta. At 4 mi. above Crossing we started to see a few Joshua trees. We drove to Crossing ^(saw killdeer) & then turned around & went back 6 mi. to dirt road which turned off to S & went along San Felipe Creek. We camped a short way down this road (5 1/2 mi. N Banner, San Felipe Valley). Set out 64 traps mostly on shrub covered slope N of camp; also 2 gopher traps. The Valley itself was fairly grassy & had probably been cultivated, but the slopes looked like fair merriami habitat & there was some sign that ~~just~~ was merriami. The shrub were mixed & mostly unident., but Adenostoma was present & dominated in some areas (but was not real tall). Was cold, windy, & rainy during night.

2 loud frog
from creek.

Mar. 31

Catch: Peromyscus maniculatus - 11

Onychomys torridus - 1

Dipodomys agilis - 1 (egg)

Perognathus longirostris - 2

Thomomys bottae - 1

Around camp saw: Ladderback Woodpecker - 1

LIDICKER
1958

(Mar. 31 cont.)

unident. wren., Bullock's oriole - 1, Western Kingbird - 3, Yellowthroat - 1, & sev sparrows that were prob. Song Sp. Skinned animals & left camp ~ 1350. Noticed that where Joshua trees begin to appear there is also alot more cactus & tumbleweed appears. Larrea also appears & is even dom. in patches. Went E on Calif. 78 toward Barro Colorado Valley. Went through Sentenac Canyon; this looks like it would be an effective barrier to D. merriami. 4 mi. past jct. you come out into large valley which is strikingly different in vegetation from that on the W & S side of the Canyon. It is obviously much drier with acotillo, Larrea, much agave, lots of cholla, etc. (Yagui Well Valley). A little over a mile from the entrance to this valley we stopped & looked around. Saw Chipping Sp - com., Wh. cr. Sp. - com., House Finch - com., W. Bluebird - a few, Verdin - 1+, Hooded oriole - 1+, Song Sp - few, Orange cr. warbler - many, Gambel's Quail (heard), Costa's hummingbird - 1+ (sev. unident ♀), Lepus californicus - 1. Continued on road over Yagui Pass - saw sev Phainopepla near turnoff to Yagui Pass. Yagui Pass is quite rocky, but merriami could probably get over them. Saw a shrike & a Sylvilagus in this area. Went into

LIDICKER
1958

(Mar. 31 cont.)

Borrogo + Borrego Spgs camp ground looking for Marler + party. We found their trailer, but not them, so we left + returned to Borrego. Then we took the rd. SE out of Borrego down the valley. At the jct. with Calif 78 we turned W toward San Felipe Narrows. About $1\frac{1}{2}$ mi. W of jct. we noticed that the hills directly to the S might support merriami. $5\frac{1}{2}$ mi. W of jct. however, we could see another small valley to the south (prob. behind Round Granite Hill) + beyond this to the south were tall mts which seemed to have forested tops. The Narrows themselves did not seem to represent an effective barrier to merriami. It was 9.1 mi. from jct. with 78 to jct. with Yagui Pass Rd. on W side of Narrows. We turned down the ~~new~~ dirt rd. to Yagui Well + went $2\frac{1}{10}$ mi. beyond Yagui Well + camped. We set out 70 traps in the surrounding wastes + on the gravelly hillsides. Rained ~~all night~~ during night + was also quite windy.

birds roosted in
to around camp,
bird chorus
at least $\frac{1}{2}$ hr.
uninterrupted.

April 1

Catch: Perognathus

- 6 dead, 1 alive
(died later)
+ 1 tail-tip

Perognathus

- 1

Peromyscus eremicus - 2

The campsite + area were just alive with birds. Quail esp. were very abundant. Also

IDILKER
1958

(April 1 cont.)

saw Plumbeous Greatcatcher - 1, Cedar Waxwing -
~20, Phainopepla - com., unidentified hummers - sev.,
House Finch - abund., W.L. cr. Sparrow - abund., +
Hooded Oriole? - 1 (heard singing). After skinning
our catch we broke camp + briefly visited Yagui
Well. Were about 100 Cedar Waxwings around well,
also saw Western Flycatcher - 1. We went back
through Sentenac Canyon + went SE on dirt
rd. just beyond Scissor Crossing, into Earthquake
Valley. 8/10 mi. from turnoff alot more Larrea
comes in, no ocotillo, almost no cactus, no
barrel cactus, some mesquite; the whole valley
gives an entirely different appearance than the
Yagui Well + Borrego valleys. Were also alot
of annual flowers blooming with much grass,
both carpeted + bunched. 2.1 mi. further, an
occasional Joshua Tree was seen. 4.5 mi. from
turnoff was Park boundary. At 5.9 mi. from turnoff
rd. goes through a pass which would seem to
be at least a partial barrier to ^(very rocky) nevadensis; is
ocotillo on one side of the pass. At 6 mi. from
turnoff pass leads into another valley which
is much like the valley just left. ~~This~~ same
veg., etc. This is undoubtedly Blair Valley.
At 6.4 mi. is Blair Valley Ranger Sta. There are
a few more century plants, but otherwise veg.
much the same. Elevation descending gradually.

LIDICKER
1958

(April 1 cont.)

At 7 mi. from turnoff small junipers begin to show up & these become thicker for the next $\frac{1}{2}$ mi. Doesn't look like verrampi country. As we came through Blair Valley it began raining again. $1\frac{1}{2}$ mi. further the valley is narrowing slightly but still descending. At 9 mi. from turnoff we entered Box canyon which has steep hills on both sides - considerable barrel cactus. By 9.4 mi. the veg. begins to look more arid again although there is still much grass, ~~but~~ but the junipers are gone. At 9.8 mi. the road begins to enter a huge valley with high mts directly to the south (Mason Valley). At 10.3 mi there is cholla again, lots of agave, Larrea & a little ocotillo. At 11.0 mi. leave Park. At 12.7 mi. veg. is almost pure Larrea with short grass carpet in between. By 13.4 mi. however, other types of veg. are again present. At 13.7 entering another pass which seems pretty low, but is rocky (Sawtooth Range). At 13.8 road drops quickly into Vallecito Valley - lots of ocotillo, cholla, & small shrubs. At 18.5 mi. we entered Vallecito Stage Sta. 1 mi beyond Vallecito the Park begins again. Here the amt. of grass between the shrubs had diminished. 4.2 mi. beyond Vallecito we came to Agua Caliente. We continued ~~to~~ ^E to

LIDICKER
1958

(April 1 cont)

a dirt rd. turn off ^{to the N} just W of the Canabake Canyon turn off. After a short way N the road turned E in the creek bed of Carrizo Creek. After sev. miles we came back as hard rain & wind came up again. We returned to within a few tenths of a mile of the main rd. & camped along a fence ($2\frac{1}{4}$ mi. S, $3\frac{3}{4}$ mi. E Agua Caliente). We set 65 traps just E of camp. This area is very arid & excellent merriami habitat. It rained & the wind blew hard practically all night.

April 2

Catch: Dipodomys merriami - 3

Perognathus longirostris - 1 (alive)

One of the merriami had both pouches stuffed mostly with green stuff including leaves, flower buds & imm. seeds; there were also a few mature seeds. At camp we saw Verdins (com.) including a nest with young, West. Gnatcatcher - 1, House finches, a Cassin's or Leconte's Thrasher, unidentified.

hummer - sev. violet green swallow? - 1. The day before we had seen in the rain a large flock of whitish shore bird-like creature. After skinning our small catch we continued E. Saw a shrike a short way past camp. Road veers southwest toward the mts. & Sweeney Canyon. Vallejo Valley (Carrizo Valley) opens to eastward into Imperial Valley. At 1.2 mi. beyond Bow Willow

LIDICKER
1958

(April 2 cont)

Canyon Range Sta turnoff we stopped to look at a small flock of sparrows. They were Chipping Sparrows, but it was noticed that they practically all had thin gray stripes through their reddish crowns.

Sweeney Canyon may be partial barrier to merriamii esp. because of its rockyness. Were beautiful red flowers carpeting wash through Canyon. At 5.2 mi. from County line the road gets into fair merriamii habitat. At 3.4 mi. from County line the road begins to descend into the large Valley which extends Eastward into the Imperial Valley. About 1/2 mi. beyond Co. line we stopped to watch a ^{large} flock of birds. We saw:

Audubon's Warbler - 20 ±	unident. hummers - sev.
Orange cr. Warbler - sev.	Bullock's Oriole - 20 ±
W. Bluebird - 3+	W. Kingbird - 30 ±
Mockingbird - 1	Blk. thr. Gray Warbler - 1+
W. Palm Warbler - 1	Desert Sparrow - 3+
Chipping Sparrow - 6 ±	Lark Sparrow - 1

A little further down the road we saw another Blk. Thr. Gray Warbler, 2 Brewer's Sparrows, a Horned Lark & a verdin. We continued to meet US 80 at Ocotillo. We then turned W on US 80 toward Jacumba. We went up thru In-ko-fah Gorge - very rocky & no dips in these hills. At Mt. Spg. there is a relatively small level place & then the road

LIDICKER

1958

(April 2 cont.)

continues up. About 6.5 mi. E of Jacumba (by rd) the road comes into a valley which could have dipsos in it - this is the first seemingly suitable habitat since the small area at Mt. Sps. There is Larrea, yucca, etc. About 5.3 mi from Jacumba junipers come in pretty thickly, but soil fairly sandy. This valley seems to extend southward a no. of miles & seems to be eventually enclosed by mts. At ~ 4.9 mi from Jacumba the rd. descends to 3000 ft. At 2 mi from Jacumba the valley seems to extend southward 5+ miles & no apparent pass can be seen. We continued through Jacumba to Boulevard to see the area & then turned around to set traps. The road begins to ascend gradually W of Jacumba. It began to rain as we came into In-ho-fah Gorge & continued intermittently. $\frac{3}{10}$ mi from Boulevard we saw a Calif. Jay. Our plan was to sample the various habitats available in Jacumba Valley. First we set 28 traps 3 mi NW of Jacumba (2.8 mi. from Boulevard). This was a fairly open brushy area, but with no definite dipso sign. We also saw a Calif Jay here. We could find no rd. to get N of Jacumba so we went S about $\frac{1}{4}$ mi. & set 2 rat traps in front of active-looking fairly large dipso holes. Then we set 16 traps in a open field within the town which had

LIDICKER
1958

(April 2 cont.)

scattered large clumps of shrubs - much grass
in between; no sign of anything. Then we
returned W + set 28 trap between the highway
+ the railroad 1 mi ~~W~~ Jacumba. This was the
area just E of where the RR + highway become
separated by hills. This looked the best of all
the areas set + had a small amt. of dipso sign.
We stayed in a motel in Jacumba as it was
very cold, windy, + it rained most of night.

April 3

Catch: $\frac{1}{4}$ mi. S Jacumba - Dipodomys agilis - 1
Jacumba - Wh. cr. Sparrow - 1

1 mi. ~~W~~ Jacumba - Dipodomys agilis - 1
Peromyscus maniculatus - 4

3 mi. NW " - Neotoma lepida - 1

P. maniculatus - 2

P. eremicus - 5

After skinning most of our catch we headed
back down the mt. to the E. It was incidently
still raining + blowing when we left ~ 1130.
We continued on US 80 into El Centro where
we had lunch + bought some groceries. The
irrigation + agricultural area starts 12 mi. W
of the El Centro city limits. Just W. of El
Campo we saw 15+ Hudsonian Curlew
50+ Ring-b. Gulls + a large flock of Red-wings.

LIDICKER
1958

(April 3 cont.)

Then we returned to Acotillo & the dirt rd. toward Vallejo Valley. We stopped a Bow Willow Canyon Ranger Sta. to ask about La Puerta Valley but the Ranger had never heard of it so we left & went back a short distance to where a dirt rd. took off to the South. We decided to follow it & it turned out that it went into Carrizo Canyon. We followed this 4 wheel dr. rd. ~ 5.6 mi. S into Carrizo Canyon. The road was very muddy in some places & deep sand in others. Saw 1 road runner along way. We finally came to some real muddy places & had to stop. It then began to rain again & the wind to blow so we made camp between 2 mesquite trees in the partial protection of a low ridge. We had to carry our equipment a short way from the car to camp. Camp = Carrizo Canyon, 6.9 mi. S, $2\frac{1}{10}$ mi. E Mountain Palm Springs. Set 73 traps around camp - mostly in sandy wash area, but also on rocky slopes. Was a little dipso sign. Rained & wind blew most of night.

April 4

Catch: Dipodomys merriami - 1
Perognathus - 2
Perognathus penicillatus - 3
P. longimembris - 1
Peromyscus eremicus - 11

LIDICKER

1956

8

(April 4 cont.)

Neotoma lepida - 1

It rained intermittently all morning. We skinned our animals & prepared to leave. We had considerable difficulty turning the car around & got stuck 6-7 times before we had it around. This took most of the afternoon. On the way back to the main road we saw a Black Phoebe, a no. of Gambel's Quail, & several Citellus leucurus, & a Sylvilagus. Then we went E to Ocotillo & W on US 80 toward San Diego. Just W of Tecate Pass at about 3900' we ran into snow. We got into San Diego about 2130, took the ferry across the Bay (45¢) to Coronado & went S to Silver Strand Beach Sta. Pk. Then we spent about 1½ hr. walking along the beach looking for grunion. The moon was full & the tide was very high, but we saw no grunion. We stayed that night in a hotel in Coronado. It did not rain!

Apr. 5

Went to San Diego Zoo & spent morning there. Ran into Marler & party there & also the Jack Neffs. At 1230 we headed N on US 395. We stopped near Lake Hodges to skin some more animals & to eat lunch. We saw sev. Citellus beecheyi here. Also saw 1 just N of Escondido. 8.4 mi. N of Jct. with Calif 71 (going E) the

LIDICKER

1958

(April 5 cont.)

road goes up into brush covered low hills; the ~~the~~ brush is quite thick, but conceivably this could be dipso habitat. 16.3 mi N of this jct 71 goes up into a 2nd group of low hills. Here the brush is lower & more scattered & this is probably better dipso habitat; there is considerable grass, however. At ~~16.3~~ 38.9 mi. N of jct. rd. descends into a lower valley. Took US 60 W out of Buena Vista & jct. with US 99 in Los Angeles. We took this N. The rd. detoured thru Newhall because of a 5 ft ^{deep} mud slide on 99. We spent the night just S of Bakersfield. Rained hard & wind blew hard that night.

Apr. 6

Continued to Berkeley via US 99, Calif 132, Calif. 33, US 50, Calif. 21 & finally 24. Ar. Berkeley at 1552. Traveled total of 1710 mi.

LIDICKER
1958

30 Blk + white
Heteromys from
this trip

Mexican Expedition - summer 1958

June 14 - July 27

PERSONEL: WZL

NAOMI I. LIDICKER

PETER R. MARLER

JUDITH G. MARLER

June 14

Left Berkeley ~ 1000; speedometer reading = 14748
Took US 50 to beyond Tracy, Calif. 33 + 132 to
Modesto + US 99 to Bakersfield. US 466 thru
Teachapin Pass to jct 395 → 5 to ~ 2 mi S of
Adelanto where we camped

June 15

Took US 66 + 91 to US ~~70~~ 99 → El Centro.
US 80 → had lunch on Mexican side of All-Amv.
Canal E of jct with Calif. 98. → continued to
Yuma + Gila Bend; Ariz 84 to Tucson.
Ar. ~ 1830.

June 16-18 - meetings of the Amer. Soc. of
Mammalogists in Tucson.

June 19

Left Tucson ~ 0800 on US 80 → Benson.
About 5 mi. W of Benson we noticed that we lost
the Correa + veg, was mostly yucca, mesquite +
grass. Beyond Benson we continued on Ariz.
86 to Willcox. E of Benson the rd. gets up

1958

(June 19 cont.)

to ~ 5000 ft - boulders, mesquite - not good merriami habitat, but possibly on a few. Then the rd. descends sl. into mesquite, yucca + grass desert. About 10 mi. W Willcox can see huge valley to SE, then begin to descend further into large valley to E. 2 mi. W Willcox - grass plains with some shrubs + yucca. It looks like good merriami habitat just W of ~~Willcox~~ Dos Cabezas with mesquite clumps with many burrows, etc. We turned SE at Willcox toward Dos Cabezas + Portal. 5 or 6 mi. E of Dos Cabezas we saw ~~at~~ 3-4 juv. Citellus spilosoma. Also along this stretch we saw flocks of horned larks, sev. shrikes + numerous spectabilis - mounds, a few gopher mounds. In oak - juniper belt saw a large bushy tailed squirrel on a cross road. A little higher we saw another which looked like Sciurus arizonae. After lunch among pines - saw 1 Myiarchus sp. Continued over mts. to SW. Research Sta. Spent night here

June 20

Around camp saw 1 chipmunk, 1 Vireo solitarius another small sh. sk. sawed Sylvilagus, + 4+ Wh. br. Nuthatch. ~~I~~ Left sta. + continued E. In vic. of Portal is much grass, short mesquite + agave. Saw 2 Sylvilagus which looked like auduboni. Ran into moderate rains or deserts E of Portal. Once on US 80 we hit heavy rains. As

1958

(Jun 20 cont.)

approach Peloncillo Mts. there is heavy Larrea cover with some yucca + agave; slopes of mts. drier. ~~on E side~~ Also dry on E slope which descends into desert which seems drier than that on W side - more cactus + scotillo. W. of Lordsburg it becomes grassy with few shrubs. Stopped in Lordsburg to get left rear wheel bearings replaced. From Lordsburg → Deming: low scattered shrubs + quite dry. E of Deming: flat, noticed a stand of Larrea this is fairly open with grass + widely scattered mesquite. E of Akula gets drier with lots of yucca. Continued S to El Paso + after buying a few supplies we went thru customs + into Juarez. By this time it was ~~was~~ about 2000. We changed some money in Juarez + continued S. It began raining in Juarez + continued intermittently all night we camped just off the main rd. just N of old camp at $5\frac{3}{4}$ mi N San Diego. Didn't set any traps.

June 21

Conch's Kingbird at camp + possibly a Myiarchus; also 1 Swainson's Hawk. Left camp + continued S. 30 mi N Villa Ahumada - noticed H. Larks. At 12 mi N V.A. saw a Myiarchus tuberculifer + 1 pi. further a shrike. S of Villa Ah. we saw a Citellus spilosoma. Just S Moctezuma.



DICKER

1958

(June 21 cont)

saw spectabilis mounds. About 45 mi. S Villa Ah.
saw 2 Swainson's Hawks, an imm. Golden Eagle,
+ a roadrunner. 9 mi. farther we saw a Prairie Falcon.
We saw W. meadowlarks at 77 & 90 mi S Villa Ah.
At 93 mi S another ~~Swainson's Hawk~~ ^{Swainson's Hawk} & at 100 mi S a
roadrunner carrying a lizard + a pr. of Canyon
Towhees feeding fledglings; also possibly a
thrasher. In Chihuahua we did a little shopping
& then headed W toward San Marcos & Cuauhtenco.
About where rd. to San Marcos turns off we
saw a burrowing owl. This was 1725. Continued
thru. Cuauhtenco to W. About 7 mi beyond
Cuauhtenco we turned S on a dirt rd. into
a small canyon, & made camp. Set 48 traps
along small gully & up gravelly slope with grass
& small shrubs (oak?) + a few small junipers -
2 small pines noted.

June 22

Catch: Peromyscus truei - 1 (base of slope)
R. megalotis - 2 - top 2 traps on
slope. Camp is surrounded by low hills covered
with scattered brush & a few trees (some pines).
Are some plowed fields in bottom of valley.
Set 29 traps along rd. & edge of fields at dips
looking holes & in small rocky gully with Western
sign, etc. Also 58 traps in area with many small
trees, oak, unident. sp. of juniper (few) & grass

1 DIC KEX
1958

underneath. Set 58 more traps in area with
many small trees, oak, few junipers, & grass
underneath.

June 23

Catch: from 29 traps -

Peromyscus maniculatus - 1

P. truei - 4

From 58 traps -

Sigmodon minimus - 1 along shallow grassy
dry gully next to a clump of willow-like shrubs.

Sigmodon ochrognathus - 1 shot as ran
from live Reithro in trap - on slope with
some shrubs & grass.

Reithrodontomys megalotis - 4

P. maniculatus - 1

P. truei - 1

Perognathus hispidus - 1

Also caught 1 Thomomys bottae

In PM set out 6 traps at dipso-looking
holes along field behind camp; 10 traps along
small canyon & field edges - mostly dipso sets;
8 traps along shallow ravine where caught S.
minimus last night; & 56 traps on grassy
& shrubby hillside W of camp. Set 1 gopher
set & 1, one more T. bottae.

June 24

Catch:

LIDICKER
1958

(June 24 cont.)

Oryzomys leucogaster - 1

Bariomys - 1

Perognathus hispidus - 1

After skinning we packed up & left camp
(7 mi. WSW Cuauhtemoc) - 1 mi. back to
main rd. to Cuauhtemoc - Saw a ground squirrel
along this stretch but couldn't collect him.

Bird List for this camp:

Empidonax sp (possibly 2 sp.)

Cassin's Kingbird

Gr. bk. Goldfinch

Chipping Sparrow

Lark ..

Rufous cr. ..

Blk. headed Grosbeak

Blue Grosbeak

W. Meadowlark

Brown Towhee

Mockingbird

Spotted Towhee

Plumbeous Gnatcatcher

Mourning Dove

Bewick's Wren

red bl. pigeon?

Wh necked Raven

Scrub jay

Red tl. Hawk

Violet gr. Swallow

During our last evening there we thought we
heard coyotes howling. We drove a little further
W. looking for caves in the bluffs but
we didn't find any so we headed E. About
 $\frac{1}{2}$ way to Cuauhtemoc we saw what looked

LIDICKER
1958

(June 24 cont.)

like a large cave in the hills off to the south, so we stopped & walked over to, but it proved to only a small cuevita with a man camped in it. We continued E. In the area about Gran Morelos the veg. is real deserty (ocotillo, etc.) & merriami is undoubtedly here. Saw a rock squirrel in vicinity of General Frias. In Chihuahua City we turned S. Between Bachimba & Neoguin we saw 2 Mallards in irrigation ditch. We stopped to camp that night 15 mi. N Cd. Camargo (15.4 mi. by rd. N Cd. C. & .4 mi. E). We set out 76 traps in the desert. Caught a fledged Roadrunner which Peter spotted "freezing" in a mesquite. Had intermittent rain all evening. Heard coyotes in evening.

June 25

Catch: Perognathus sp. - 6

Dipodomys merriami - 4

Neotoma albigula - 1

Bird list for area:

Curve bl. Thrasher - 1 (PM) Roadrunner (including 1 $\frac{2}{3}$ grown ³⁵)

Cactus Wren

W. Gnatcatcher

Desert Sparrow

House Finch

Blue Grosbeak

rusty swallows

Pyrrhuloxia

W. Kingbird ?

Wh. bk. Raven

rusty small flycatcher

LIDICKER

1958

(June 25 cont.)

Myiarchus sp. (prob. tuberculifer)

incident dh. pigeon

We continued S. just N of Camargo we saw Killdeer, Bt. tl. Grouse, & Blk. Phoebe. We went SW out of Camargo on the rd. to Valle de Zaragoza. Near the E end of the large Boquilla Reservoir a rd. turns N to Boquilla de Conchos (1.3 mi.). We continued N of B. de C. another 1.8 mi. by rd. Here a bridge crosses a stream & we camped here (1.5 mi N Boquilla de Conchos, 14 mi. SW Cd. Camargo). We set out 75 traps on the dry & rather gravelly slopes in that area. In one spot we found a few dipper-looking holes. We also set 3 gopher sets in the grassy areas along the stream. Took a bath in some beautiful pools slightly down stream from the bridge.

June 26

Catch: Peromyscus eremicus - 3

Perognathus sp. - 1

Thomomys lotter - 1 (beautiful reddish color)

The gopher seemed of particular interest so about noon I set out to move gopher sets & by the time we broke camp about 1400 I had caught 2 more gophers. Then we gutted & left camp. We tried to find the gravel ~~to~~rd to Hidalgo del Paraiso.

LIDICKER
1958

(Jun 26 cont.)

but couldn't so we returned to Camargo & took highway 45 to Hidalgo del Parral. We went directly N out of Parral on a dirt road & stopped & camped after 3.2 mi (3 mi. NNW Hidalgo del Parral). This is an area of very open desert with scattered spectabilis mounds. We set out 57 traps. The ants were terrible & we rebaited our whole line about 2100. Saw sev. bats at dusk.

June 27

Catch: Peromyscus eremicus - 1 yg.

Dipodomys spectabilis - 2

Also picked up
1 Cnemidophorus

D. merriami - 1 (head eaten & part

of viscera - unsalvageable) Measurements:

— — 132-38-13 ; d.t. st. dk. brown & also

vt st. which is quite broad; pencil gray, actually lighter than caudal stripes; plantars dusky gray brown & fully ext.; dorsum seems similar to specimens caught nr. Parral in '56. We broke camp fairly early & returned to Parral & then continued S.

We stopped and had lunch along the rd. 7 mi. S Villa Matamoros. We collected a Cnemidophorus here & saw sev. others. At 23.7 mi by rd. N of La Resolana we saw a Lepus californicus. Also in this area - sev. W. Meadowlarks & a Swainson's Hawk. At about 5 mi. S La Resolana the country gets more shrubby - still much grass

LIDICKER
1958

(June 27, cont.)

with scattered small shrubs + a few small trees.

One can see way off to SE + it gets lower in that direction; merriami could conceivably be here.

At 7.5 mi. S La R. yuccas become com., but are still a few juniper. Saw 1 Rd-runner here.

At 12 mi. S La R. - juniper scattered but prominent; spectabilis mounds scattered all along. At 19.7 mi. S, merriami - looking habitat

starts; at 21 mi S - 1 Lepus californicus; at

25 mi. S road starts leaving good merriami looking habitat - grassy plain again (this is

about 4.5 mi. N La Zorca). Just S of La Zorca saw another Swainson's Hawk + merriami habitat

seems to begin again; off to W seems to be quite a bit of grass. At 5.4 mi. N Casco the plains begin again + it is poor merriami habitat. At

2.7 mi. N Casco Larrea comes into the grassy plain + then disappears again less than a mile

farther. Just S of Casco there is ocotillo, mesquite, cactus + quite a bit of grass - merriami is probably present; are also spectabilis

mounds. About 2 mi. S Casco Larrea comes in again for short distance. A little farther it

gets very hilly. At 6.8 mi. S Casco you seem to be at the highest point in these hills +

can see long way to S - whole area could be merriami - habitat - Fouquieria present.

LIDICKER
1958

(June 27 cont.)

At 12.3 mi. S Casco we saw 3+ Black Vultures - the first of this species noted. 2 mi further the ~~veg.~~ ocotillo begins to thin out & the veg. is get scrubbier - this is probably less good merriami-habitat. Beyond this the ocotillo again becomes thick but the shrubs remain thick also. About 18.5 mi. S Casco you cross the Rio Nazas. About a mile farther the country opens up again into what seems similar to that trapped in '56 (34 mi. SSE La Zarca). At $1\frac{1}{2}$ mi S of the Rio Nazas we saw Wh. w. Dove-1, Scaled Quail-1, & Brown Towhee-1. 4 mi. beyond the Rio we saw 2 more Blk. Vultures & 3 Turkey Vult. Just S of La Cuesta a large cave can be seen from the road. The soil is quite gravelly S of La Cuesta, but merriami may be present. Shortly the rd. climbs up out of the valley & up on the top of one of these hills is where we made camp (3.7 mi. by road S La Cuesta). The ~~acc.~~ is quite gravelly & very dry. We set out 65 traps.

June 28

Catch: Perognathus (prob. nelsoni) - 5

large skink - 1

Also shot a Cnemidophorus.

Bird list for camp: Pyrrhuloxia
Brown Towhee

DICKER
1958

(June 28 cont.)

Cactus Wren

Shrike

House Finch

Mockingbird

Varied Bunting

Scaled Quail

Curve bl. Thrasher ?

Mourning Dove

Plumbeous Gnatcatcher

Blue Grosbeak

unident. icterid (prob. red eyed cowbird)

Desert Sparrow

Turkey Vulture

After skinning ^{and changing a flat tire} we broke camp & continued S. 4.7 mi. beyond camp rd. begins to descend into large valley. Reaches bottom 2 miles farther. Saw sev. Wh. nk. Ravens. By 7.5 mi beyond camp you are in possible merriami country again. 4 mi. further veg. gets thicker again with low shrubs & ocotillo. This may be merriami habitat, but seems ~~to~~ a little bit thick. 4 mi. still farther the road goes thru a small ridge & into an open grassy plain with scattered low ~~shrub~~ trees. 3 mi. farther (.8 mi. N San Juan del Rio) the country becomes scrubby, open, & very gravelly. 1.6 mi S San Juan del Rio ~~#~~ agricultural areas begin; but th. shrubs. About 10 mi. S San J. del Rio an area begins & stretches for 5 mi. with abundant beaver tail cactus. Then there is open plain country again with widely scattered shrubs. At about 1 mi. N Cerro Gordo we stopped to eat lunch along the road & shot 1 ground squirrel. Saw a Red-wing around Cerro Gordo. At 9.3 mi. S Cerro Gordo we

LIDICKER
1958

(June 28 cont.)

or lake with grassy borders.
passed a reservoir, which had 1 Mex. Cormorant
on it; we also saw a singing rock wren. We
noticed the cormorants' small size & yellow throat
pouch. At 5.7 mi. S of Murcillo we saw a large
flock of Black Swifts. In Durango we got our
flat fixed, bought a few supplies & then headed
W toward El Salto. As we approached El
Salto it began to rain hard & this continued for
most of the afternoon. We found that the main
road was blocked about 1 mi beyond El Salto
because of wash outs & the road was detoured
over the "old road" to the S. This was the road
we were looking for anyway, so although it
was very muddy we headed down it for .8 mi.
& made camp. This put us on the S side of a
small town - Mil Dias. After setting up camp
I just had time to set 31 traps on a pine
covered slope to the W of camp (after dark). - with
a few small rock outcroppings. Rained part of night.

June 29

Catch: Peromyscus truei - 2

P. sp. - 2 (noticed that this sp. has very fragile tail)

Mark saw a Citellus variegatus N of Mil Dias.

After skinning we wandered around area & caught
a number of colubrids, 1 Rana pipiens & a
few small green hylid. After lunch Naomi
& I explored to the E of camp. We followed a

LIDICKER
1958

(June 29 cont.)

ciénega to where it fell off into a huge canyon. Looking down we had a good look at a gray fox which trotted by. We collected more green hyliids, shot a bunch of Sceloporus & collected 1 beautiful gray hyliid with lemon yellow on the underside of the femora which matched perfectly the granite rocks of that area. The one we caught we only saw because we caught a glimpse of movement on a rock & then couldn't see what we had seen until we scrutinized the rock very carefully. We saw 1 other individual of this species, but ~~were~~ ^{were not} able to catch him. Set 42 traps along moderately rocky pine forest slope & also 16 traps along the rocky wall of a small RR (abandoned) cut.

June 30

Catch: Peromyscus truei - 4 from 42 traps
2 " 16 "

Shot 1 Eutamias along RR cut.

In afternoon we set out 30 traps along this cut, 35 along rocky slope of pine forest. (cont. next p)

July 1

Catch: RR cut - Neotoma - 1 juv.

Eutamias - 1

P. truei - 2

slope - P. truei - 2

In addition, I shot 1 more Eutamias (chickinoo)

LIDICKER
1958

on the W side of camp + an incident. flycatcher with a prominent crest (which turned out to be Contopus pertinax). I also skinned a yg. cottontail which a mexicano had given us.

June 30 (cont.) - In PM, Mark + I drove N of Mil Dias as far as we could + then walked further. We were looking for San Juan + the bunch grass habitat of Xerospiza. We finally found what has to be the spot + explored it thoroughly - interrupted by occasional rain showers. Although we saw lots of Striped Sparrows we saw no Xerospiza.

July 1 (cont.) - We went back N of Mil Dias + while Mark walked N to the ~~same~~ bunch-grass area to record, I set traps along the side of a beautiful canyon on the W side of the bridge over a large rushing stream where we saw a Water Ouzel. The walls of this canyon are covered with quite lush vegetation including Coccoloba. I set 50 traps on the S side of the stream + 32 on the N. Also saw a Citellus variegatus just N of the bridge.

July 2

Catch: Neotoma - 2

Peromyscus sp 2 - 8 (difficult)

Sorex - 3

LIDICKER
1958

July 2 cont.)

Mephitis mephitis - 1 (caught in rat trap
by 1 foot).

In PM we went back + reset + baited these
82 traps; saw another rock squirrel on the S
ridge of the canyon. Then set 30 traps along
a rocky ledge in the pine forest SW of camp
(I had seen chipmunks here before + shot 1 on July 1).
Heard sev. bats in evening, but wasn't able
to get any. Marler caught a large alligator lizard
during PM.

July 3

Catch: canyon (1½ mi. NW Mil Dias)

Neotoma - 2 (1 yg.)

Sorex - 2

Peromyscus sp. 2 - 2^{4/5} (1 yg. released).

30 traps nr. camp -

Peromyscus sp. 1 - 1

Peromyscus sp. 3 - 2 (large, thick tails;

from rocky outcrop - one had pulled trap
over 100 ft down the slope; the other had
pulled trap way back into hole in rock).

Shot 1 yg. Syrrhaptes. On the way
back for trapsite N of Mil Dias I shot a
rock squirrel at 1 mi. NNW Mil Dias. After
skinning arrived Marler + I drove into El
Salto for water + then we continued E
to find a new trapsite. We turned off
the main rd. on to a dirt road to some

Neotoma

Bird List for Mil Dias area:

Arizona Juncos - abund.

Chipping Sparrow

Striped Sparrow

W. Bluebird

Rock Wren

Olive Warbler

Stellar's Jay

Ladder backed Woodpecker

Cove's flycatcher (Contopus pertinax)

Painted Redstart (P.M.)

Hairy Woodpecker

Brown Towhee

Cassin's Kingbird

Empidonax sp.

Black Phoebe

Killdeer

Redwing (San Juan marsh)

Water Ouzel

Violet gr. Swallows

Black Swifts

Brown Creeper

Crescent cheated warbler

(Vermivora superciliosa)

Audubon's Warbler (P.M.)

Raven

Whip-poor-will - like call
heard sev. even

sev. screech owl calls
heard.

White-eared Hummingbird

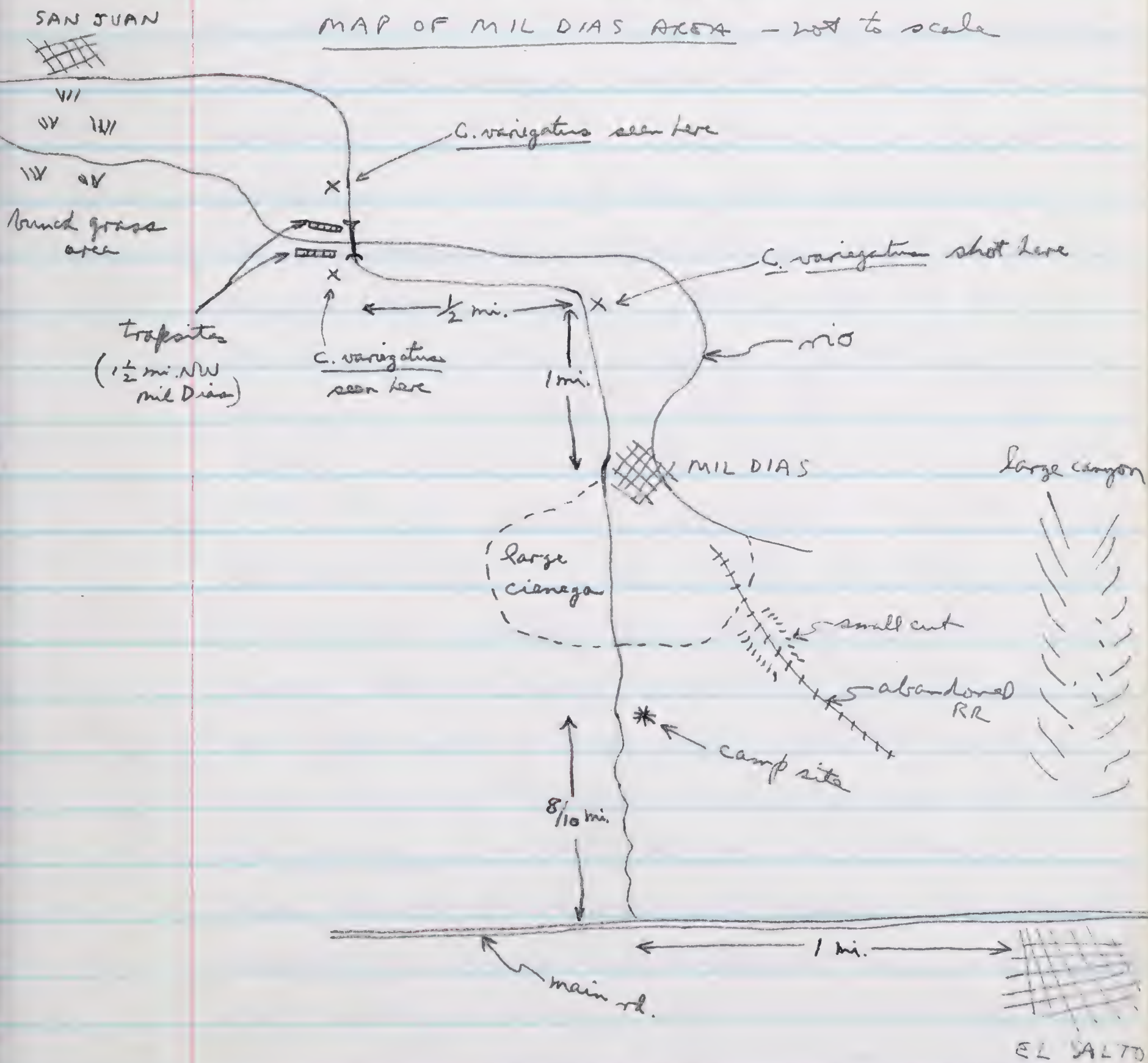
LIDICKER

1958

(July 3 cont.)

asphalt pits. We collected a Thomomys, got soaked by a hard rain & set out 53 traps in a woodland with a fair bit of what looks like an ericaceous shrub; we also mangonitas (2 mi. NE El Salto). We then returned to camp. Heard a few bats this evening also.

MAP OF MIL DIAS AREA - not to scale



LIDICKER

1958

July 4

Broke camp & then picked up traps. Catch:

Peromyscus truei - 8 ; also saw 1 juv. running around in daylight ; saved only 5 adults - these gutted.

We also caught another Thomomys. The gas station at El Salto was out of gas so we headed for Durango on about $\frac{1}{8}$ tank ; "Mexican overdrive" got us in. In Durango we bought supplies & looked up the local representative of our insurance co. to see if we could retrieve anything on a new tire stolen at Mil Dias.

No luck - our policy excepted all theft except the whole car. We headed south at 1715. The desert in this area consists of high shrubs with little to much grass. At about 15 mi. S Durango the road starts to climb a little ; here there is much beaver tail, scattered mesquite, & the hills are quite rocky. At 2.5 mi. N Nombre de Dios the road goes down into a huge valley where there is a river & a small town. This valley does not look like merriami habitat. At 4.6 mi. S Nombre de Dios the shrubs become well spaced & this might possibly be merriami habitat but there is considerable short grass. 5.6 mi. S Nombre de Dios ($5\frac{1}{2}$ mi. SE N de D) I shot a Citellus. At 17.8 mi. by rd. from N de Dios we went off on a side road to

LIDICKER
1958

camp (17 mi. SE Nombur de Dios). This is just 2.6 mi N. of the jct. to Villa Guerrero. Here we set 30 traps along the brushy sides of a ditch about 6 ft. deep; 30 traps in desert area nearby which consisted mainly of clumps of beaver tail + some mesquite; + 15 traps in fallow field in which the veg. was $1 - 1\frac{1}{2}$ ft. tall. Caught 1 small Bufo around camp that evening.

July 5

Catch: 1 Scaphiopus

Also caught 1 more Bufo. We noticed several large carnivore dens in the beaver tail area. After much effort I shot an Reithrodontomys batterii which was quite common around camp.

Bird List. for Camp area:

Meadowlark

Inca Dove

Mourning Dove

Curve bl. Thrasher

Bewick's Wren

Brown Towhee

Botteri's Sparrow

Packed up + left shortly after noon. The state boundary is 9 mi. beyond the jct. to Villa Guerrero. We didn't see anything that looked like possible merriami habitat until about 26 mi. beyond Sombroete. This habitat stretched for about 1 mi. to just beyond an unident. rio. 4 mi. beyond

LIDICKER
1958

(July 5 cont.)

this river we again hit a 3.5 mi. stretch which appeared to be possibly suitable to merriamii. After this it seemed a bit too thick & grassy. $1\frac{1}{2}$ mi. beyond Fresnillo there is a good gravel rd. going E to Estacion de Fresnillo. We drove down this rd. & just 3 mi. from the jct. we stopped to look around & found some old merriamii signs. This was about the first area that looked suitable. At 4.6 mi. from the jct. we turned N on a dirt rd. for about $\frac{1}{2}$ mi. & camped ($4\frac{1}{2}$ mi. E Fresnillo). This is actually only $\sim\frac{1}{2}$ mi. outside of Est. de Fresnillo. It is quite open desert, but with some grass in patches. We set 94 traps in this area & shot 1 yg. Citellus. We saw no bats that evening. Skinned the Botter's Sparrow.

July 6

Catch: Dipodomys merriamii - 8

Dipodomys ordi - 1

Peromyscus maniculatus - 3

Perognathus sp. - 5 (1 thrown away + 1 skull only)

Citellus - 2 ad.

Mus musculus - 1

Left out 9 traps for Citellus; ran line at 1500 & caught 1 more ad. & 2 ygs. (1 yg. thrown away). I was fairly sick all day & so Peter skinned 4 animals. Ran Citellus traps again in evening - got 2 ygs in 1 trap & 1 other yg.

LIDICKER
1958

One trap was missing. Set 48 traps for merriam
+ along a weedy shallow ditch. Saw 1 Sylvilagus.
Only birds noticed here were Desert Sparrow, Shrike,
+ Raven.

July 7

Catch: (picked up all traps)

Dipodomys merriam - 4

" spectabilis - 1

Perognathus sp. - 2

Citellus - 1 ad.

Peromyscus maniculatus - 1

Skinned animals + then broke camp, continued
S. It looks as if merriam may continue W to
~~1 mi~~ 1 mi E of jct. with main rd. Then it no
longer looks like merriam habitat until 6.9 mi.
S of the jct. where for 1 mi. it looks like possibly
merriam habitat. Beyond this it is too grassy
with much cultivation. In this area there is a
large Joshua tree-like yucca which is very tree
like. 2.3 mi. S of Calera de Victor Rosales there
is possibly some merriam habitat in a few open
places, but is not too good. At Morelos (8 mi.
beyond Calera de V.R.) there is a good side road
going E. 6.7 mi further in the region of Jerrey de
Garcia Salinas there are rolling hills with much
gravel but it is conceivable that merriam could
be here. At 2.1 mi. N Ojo Caliente there is a

LIDICKER
1958

(July 7 cont.)

good gravel road going E - apparently the road to Los Pinos. 12.7 mi. N of Rincon de Romos, Ags. C., is Los Adamos; 10.1 mi. N is Cosio; 6.5 mi. N there is a side road going E. 2/10 mi. S Rincon de Romos there is another gravel road going E toward the mts. & the town of Tepezalá. About $1\frac{1}{4}$ mi. E of the jct. we saw 2 Bob-white which had very rusty sides; also a pr. of Vermilion Flycatchers, Boot B. Grackles & Wh. necked Raven. 2.7 mi. E of the jct. is Estacion Rincon de Romos. Barn Swallows here. 1.9 mi. E Est. R. de R. is San Antonio Apurcan. E of here we noted Shrike, Mourning Doves & spectabilis mounds. 3.9 mi. E of San Ant. Apurcan the road begins to climb gradually & agave becomes very common; the appearance is that of a quite different habitat from that of the valley; more spectabilis mounds, Shrike, Sparrow Hawk, Brown Towhee & Barn Swallows. 5.2 mi. E of San Ant. Apurcan the road comes to Tepezalá. We continued E into the mountains until we came to a place where a culvert had been washed out. We cut up the hill to the side where we got on another dirt road which led E to a small, mostly deserted copper mining town (San Pedro de Cobre) which is nestled against the side of the highest peak in the area - at least as far as we could see.

LIDICKER
1958

(July 7 cont.)

We set up camp a short distance W of San Pedro in a cut through a hill. Set 45 traps in a small canyon with considerable mesquite + shrubs in bottom. Traps set at dusk + after dark. Saw sev. bats feeding in the bottom of the canyon, but wasn't able to get any. There are numerous mine shafts in this area. Heard a thrasher of some sort; saw Rock Wren, ~~But~~ a rufous capped sparrow of some kind + heard a flicker. Heard coyote howl during night.

July 8

Catch: Peromyscus sp - 7

1 tail of Perognathus (Chaetodipus) sp.

Bird list for day:

Curve Bl. Thrasher

W h. fronted Dove?

Mockingbird

Rock Wren

Mourning Dove

Brown Towhee

Bewick's Wren

House Finch

Meadowlark

unident. Hummer

Rufous cr. Sparrow

Desert Sparrow

Black chinned Sparrow

Raven

Cactus Wren (PM)

Verdin (PM)

Scott's Oriole

Canyon Wren

Also saw 1 bushy tl. ground squirrel of some sort + 1 Sylvilagus.

Set 21 traps along dry brushy + thorny gully above camp; 15 traps along slope with short

LIDICKER
1958

(July 8 cont.)

shrubs, some open areas & considerable rock; then we walked on to high hill S + slightly E of San Pedro, the top of which is very windy & open, tundra-like ($2\frac{1}{4}$ mi. E Tepezulá). Here ~~we~~ on top we set 2 steel traps & 2 rat traps by 2 groups of large burrows which looked like either large ground squirrels or ~~the~~ spectabilis holes without any mound to speak of; we also set 1 museum spec. on top. Then we set 15 more traps in a line near the top; 1 more steel for Neotoma; 20 traps in herby gully near camp; 38 on fairly open slopes below camp - in one area there was practically a meadow of yellow flowers; & 1 rat trap in the cut behind camp. Total traps out 116. Shot 1 Myotis in gully below camp that evening. Heard some goatsucker calling just after dark.

July 9

Catch:

dry gully ^{above} ~~below~~ camp - Perognathus - 1

Peromyscus - 1

rat trap behind camp - 1 yg. Peromyscus

open slopes below camp - Dipodomys merriami - 1

Perognathus - 1

Peromyscus - 1

herby gully. Peromyscus - 3

slope with short shrubs (15 traps) - Perognathus - 1

LIDICKER
1958

(July 9 cont.)

Peromyscus - 1

"tundra"-like hill - Dipodomys ornatus - 1

Peromyscus - 1

After skinning, Naomi & I explored a large number of abandoned mine shafts in the area including sev. very large ones on the slopes quite high above San Pedro. From this vantage point you get the impression that the highest peak in the area isn't too much higher. We saw only 2 Corynorhinus townsendi & collected one of these. Birds noted: Flicker, Ark. Goldfinch, Prairie Falcon, Quail Dove (P.M.), Wh. w. Dove (P.M.) & incident. small dove (W.L.). We reset the steel & rat trap on "tundra" hill & set 49 more traps there; we also made 3 wood rat sets. Then we set 26 traps in a beaver tail & agave thicket N of camp & 29 mus. spec. ~~traps~~ ~~traps~~ on the dry slopes below camp. we were hoping to get some more D. merriami. In addition we had 3 Neotoma sets in the more vegetated bottom of the gully & we reset the 1 rat trap behind camp. Total traps = 115. Saw a few bats in evening but wasn't able to get any.

July 10

Catch: below camp - dry slopes -

Reithrodontomys - 1

1 DICKER
1958

(July 10 cont.)

Perognathus - 1 (dk.)

beavertail area -

Peromyscus - 6

Perognathus - 4

rat trap behind camp -

Peromyscus - 1 ad ♂ + 1 ad ♀ caught together

"tundra" area -

Peromyscus - 3 (2 long eared, 1 sh. eared)

Perognathus - 7

Neotoma - 1

After skinning we packed up left camp: it rained a good part of the day & we didn't get away until about 1730. 2.1 mi. W of Tepozalá saw spectabilis mounds. 3/10 mi. E San Ant. Apuracan saw a pr. of Blue Groobcats. Noticed road going S at Est. Rincon de Romos. At about 1.2 mi. E of jct with main rd. we turned S for about a tenth of a mi. on another dirt rd. Here we camped & set out 61 traps at dusk - mainly in grassy lowland areas & in open desert area with beavertail, mesquite, etc. After dinner while it was raining lightly Peter & I walked along the dike of an irrigation canal & I caught 2 small Perognathus. We heard a number of frogs but didn't get any. It rained all night.

July 11

Catch: nothing

LIDICKER

1958

(July 11 cont.)

I skinned the 2 Perognathus caught the night before
& then wandered around looking for suitable trap
sites. Birds seen:

Blue Grosbeak

Bewick's Wren - com.

Ark. Goldfinch

Boat tl. Grackle

Black cr. Nt. Heron - 1

Vermilion Flycatcher - com.

unident. nt. herons - 6

Black Phoebe

Yellowthroat - sev. ♂♂ singing

Say's Phoebe

Empidonax sp. (heard)

Meadowlark

Bobwhite (very reddish sides)

Shrike

Raven (with nearly fledged yg.)

Brown Towhee

Bila Woodpecker

Red sh. Flicker

Lecler backed Woodpecker

Mockingbird

Crow M. Thrasher

Barn Swallow

unident. hummer

Eng. Sparrow

Inca Dove

Wh. w. Dove

Mourning Dove

Mexican Duck - 2

Found a dead M. ^{mexicana} mephitis which was much
too far gone to save but I saved the skull.

Peter shot a Wh. w. Dove which I skinned in the
afternoon. We also saw 1 Sylvilagus & 1

Lepus californicus. In late afternoon we
heard a ground squirrel whistle, but couldn't
locate it. I also shot a Mourning Dove &
a Golden-fronted Woodpecker & skinned the M. Dove.
Peter shot 2 more Wh. w. Doves & skinned one.
We also caught 2 Thomomys & ~~he~~ shot a

LIDICKER

1958

(July 11 cont.)

batch of Cnemidophorus + 1 Sceloporus. Set out 51 traps in open area of mesquite & grass; 34 traps in heavy bunch grass & the brushy border of a shallow ditch; 13 traps on a relatively open dike with moderate no. of holes, etc.; 15 traps in grass & brush along dike; & 16 traps along an open dike with some bunch grass. Total traps = 129. Went haphazardly after dark & caught 1 Rana; heard Microhyla.

July 12

Catch: Perognathus - 1 (in 51 traps in mesquite) ($\frac{1}{3}$ mi. S, $1\frac{1}{4}$ mi E Rincon de Roman). We left out 1 rat trap for ground squirrel but didn't get any. Skinned the 1 mouse & the golden fr. woodpecker shot evening before. Peter saw Derby Flycatcher twice & I heard him ^{Picked up a Xenotemon in the almost dry irrigation ditch. Saw 1 other.} once yesterday. Broke camp & headed for Aguascalientes. 2.6 mi. S of Jct. with main rd. is town of Salitrillo (sp.?). 2.5 mi further is Pabellon de Hidalgo & a road leading W to some low hills. $8\frac{1}{10}$ mi further is paved rd. going E, gravel rd. going W: 5 mi. further is San Francisco. 2.2 mi. S San Francisco ~~we~~ we noticed a deserty looking spot that may be good for ^{Beginning} dipos. 3.5 mi. N of the Loreto rd. turnoff & stretching for .7 mi is another area that may be good dipos habitat. The Loreto turnoff is 8.1 mi. S of San Francisco. 1.3 mi. S of Loreto turnoff we

LIDICKER
1958

(July 12 cont.)

noticed a gravel road to the W. 1.3 mi. farther is Club Campestre. After buying some supplies in Aguascalientes we headed W on the rd. to Calvillo. Shortly W of the city limits of Agsc. we ran into a road block. There was apparently a detour to the N, but off to the S ran a rough + muddy dirt road to Villa Hidalgo so we took that. A little over 5 mi. from the Agsc. city limits we came to some sort of an institution that we learned was called Ciudad de los Niños. It was located next to a small shallow lake with much marshy vegetation around it, + the whole aspect looked very tropical. We continued about $\frac{1}{3}$ of a mi farther where we camped on a fairly dry slope. About $\frac{1}{10}$ of a mile beyond our camp the dirt rd. we were on joined with the main gravel road connecting the Calvillo rd. with Villa Hidalgo. Set 47 traps in fairly thick brushy cover, on a moderately rocky slope + along a rock wall + outcropping. Was lots of Neotomas signs in the rock wall. Set 40 traps on more open flat, but still fairly thick - mesquite, mod. grass, etc. Finally we set 15 traps along a brushy + rocky edge to the cleared road side. Total traps = 102. Saw 1 Sayornis. Also saw quite a few nighthawks + Barn Swallows + at one point a large no. of both



Camp at $\frac{1}{3}$ mi. NW Ciudad de los Niños,
7 mi. WSW Aguas Calientes, Aztec, Mexico.
July 13, 1958

Road in distance is heading S toward
Villa Hidalgo.

IDICKER
1958

This page is out
of sequence.

SAN DIEGO COUNTY EXPEDITION

Sept. 7 - Sept. 14

- with Alan C. Zeigler + Dick E. Graham

Sept. 7

Left Berkeley about 2300 + headed toward San Diego Co on US 50 + 99. ~~to~~

Sept. 8

Arrived in Bakersfield about 0530; took US 466 to Mohave, then US 6 to Palmdale + Calif. 138 to jct. with US 395. Took US 99 S to Salton Sea Desert. We noticed that the narrowest point between the Santa Rosa Mtns. + the Salton Sea was at Travertine Rock, just S of the Imperial Co. line. We explored the area from here to about 12 mi. S of Truckee. We finally stopped + set up camp 4 mi. N, $4\frac{1}{2}$ mi. W Truckee, 33 mi. NW Kane Springs. This is slightly less than a mile down a dirt rd. to the W which junctions with the main rd. about 5 mi. N Truckee. Al + I then drove S of Truckee + set out about 87 traps in desert on W side of highway. This is one of the most vegetated areas we could find in this extremely desolate desert. There was some dipso sign here + some holes which were probably those of ground squirrels. Then we returned + set 39 traps near jct. of highway + camp rd. (4 mi. N, $3\frac{1}{2}$ mi. W Truckee). There was a little dipso sign here also +

LIDICKER

1958

species were flying & wheeling around together in
1 huge flock. Also saw a Long tl. Chat near
Cd. de los Niños.

July 13

Catch: 40 traps on flat - Dipodomys ornatus - 2
Perognathus - 1 (flavus type)

NW Ciudad de
Niños, 7 mi. WSW
ascuénatez.

15 in brush along rd. -

Perognathus - 1 (Chaetodipus)

47 on slope -

Perognathus - 4 (")

Reithrodontomys - 1 (in rock wall)

All the wood rat traps had been sprung, but
they caught nothing. After skinning we walked
down to Cd. de los Niños & explored the edges
of the lake a bit. Saw sev. snakes & frogs which
we couldn't get. Around the margins of the lake
were thousands of transforming frogs & we
picked up a few of these. Bird list for area:

Bottor's Sparrow

Rufous cr. Sparrow

Cactus Wren

Black ch. "

Brewer's "

Desert Sparrow

Canyon 3 "

Brown Towhee

Blue Grosbeak

English Sparrow

Turkey Vulture

Cassin's Kingbird

Ark. Goldfinch

Vermilion Flycatcher

Chat

Barn Swallow

unident. yellow warbler

LIDICKER
1958

(July 13 cont.)

Curve bl. Thrasher	Boat tl. Grackle
Sila Woodpecker	Flicker (heard)
Ladder bk. Woodpecker	unident. hummer
Road runner,	Sparrow Hawk - 2
Rock Dove	Wh. w. Dove
Scaled Quail	Killdeer (PM)
Mourning Dove	unident. dk. pigeon
Golden fr. Woodpecker	Raven
Sora	

Also heard a ground squirrel. Broke camp shortly afternoon + headed W. It was 3.2 mi. from jct. with Villa Hidalgo road to jct. with Calvillo rd (num. 50). The km. 8 marker is just W. of this latter jct. 3 mi. beyond this jct. we met the other end of the detour to the N. 4.6 mi. W of jct. with V. Hidalgo rd. the road reaches the peak of the first ridge. There is a fair sized lake to the N + a large valley opens up to the W + N. 1.9 mi. farther there is a small poblado. There is still desert vegetation in this area, but grass seems to be getting thicker. At km. 21 there is more open scrub land with grass beneath. 3.6 mi beyond the poblado the road curves N; at km. 24 it jogs back again slightly + at km 25 it turns a little S - climbing gradually. Just beyond km. 26 the road reaches it's highest point in that area. 5 mi beyond the poblado there is

LIDICKER
1958

(July 13 cont.)

a canyon off to the left with almost woodland type of vegetation. 1.8 mi. farther the road descends; the vegetation here consists of scattered tall shrubs with much grass & herbaceous vegetation on the ground. 1.2 mi. still farther there are a few scrub oaks on the hillside to the left, a large valley to the N & ahead. This large valley no longer looks like dipso country - not even ornatus. The vegetation is thick, but there are still yuccas & prickly pears; also much oak & other broad leaved trees; slope to left could almost be called a woodland. 7/10 of a mi. E of a ~~jo~~blado (km. 38) which is probably Boquilla, there is a small lake to the N. Near the town we saw a Killdeer. About a mi. beyond the town the road begins to descend again into another huge valley to the W. 4 mi W of the town above is another town. Here we noticed House Finches. Calvillo is 4.1 mi. beyond this last town. We continued beyond Calvillo about 5.5 mi. where we turned N on a dirt road which descended 8/10 mi. to a river which we forded & began to climb up the other side. Here we met Pedro de Loera who apparently lives most of his time in Sarg, Indiana, but owns orchards in this area, etc. He spoke a little English. With him was "Tito" Alberto Martinez who owns a tienda on the main plaza in Calvillo, & several others. We chatted

LIDICKER
1958

(July 13 cont.)

with them over + hour. They assured us that there were lots of bats in some of the old houses in Calirillo. We continued .3 mi N of the river + camped. This area was brushy with quite a bit of grass between the shrubs, but was the driest looking area we'd seen since the vicinity of ~~Ag~~ the first ridge W of Aztec. We set 84 traps in this brushy area + including 12 traps along a stone wall. A small amt. of dipso sign was noticed - Didn't see any bats in evening.

July 14

Catch: Dipodomys ornatus - 3

Perognathus - 4

Peromyscus maniculatus - 2

Peter saw 1 Lepus - tail not noticed, but probably californicus. Shot 1 Cnemidophorus while skinning catch. Bird list for camp area:

Scaled Quail	Tree Dove
Brown Towhee	Wh. W. Dove
Ark. Goldfinch	Mourning Dove
House Finch	Curve bl. Thrasher
Cactus Wren	Canyon Wren
Bewick's Wren	Pyrocephalus
Blue Grosbeak	Mockingbird
Cassin's Kingbird	Barn Swallow
Unident. dk. dove	Road runner
Gila Woodpecker	Vermilion Flycatcher

LIDICKER
1958

(July 14 cont.)

Eng. Sparrow

Noticed bougainvillea on some homes near the river. We broke camp & returned to Calvillo. About 3 mi. W Calvillo we saw what was probably a Scott's Oriole. Once in Calvillo we headed N on a dirt road to La Labor. About 2.4 mi. N of town we saw a grayish ground squirrel with a short scraggly tail run across the road. About 3 mi. N of Calvillo we saw Golden fr. Woodpecks & Green Doves & 1 mi. further - Phainopepla. We followed a river valley for a ways & had to ford the river 4 or 5 times. 5.2 mi. N Calvillo we saw a Citellus variegatus run across the road. We camped 9 mi by road N Calvillo near the Rio Larco. This is about 1 km. S La Labor & is where the road crosses from the E to W side of the valley & fords the river. After spending some time hunting for conejos with a mexicano we set out 100 traps: 30 in a wooded canyon, 25 along a rock wall with tall herbaceous veg. along it, 5 in tall veg. along rd., 20 on wooded slope & 20 on grassy & gravelly slope behind camp - with scattered shrubs (includes 5 traps along rock wall). Heard a few bats after dark, but saw none in evening. Caught 1 Bufo in camp after dark.

DICKEN

1958

July 15

Catch: grassy + gravelly hillside -

Perognathus - 3 + 2 tail

wooded canyon - 1 Perognathus tail

rock wall - Peromyscus sp. - 2

nothing in other lines

Explored several cuevitas in the bluffs along the W side of the valley for bats. Found some carnivore droppings, but no bats. Set out 40 traps on shrubby + grassy hillside with 2 broken down stone walls - a little S of camp. Put out 22 traps (including 3 rats) along a tall rock wall with 5 ft. tall herbaceous veg. along 1 side, 15 traps in shorter grass near plowed field, + 17 traps in grassy + shrubby area near the river which had sandy + not gravelly soil. Total traps = 94. Peter saw sev. C. variegatus. Much rain during night. Shot 1 Cnemidophorus during day.

July 16

Catch: 22 traps along road - Scaphiopus - 7

40 traps on veg. slope -

Perognathus (Chaetodipus) - 2

" (flavus type) - 1

Liomys - 1

Nothing in rest of lines. After skinning we broke camp + headed back for Calirillo. Local ~~the~~ people around La Labor assured us that

DICKER
1958

(July 16 cont.)

there were pines on the hills directly NW of La Labor, but they could best be reached with a horse. One individual said there were chipmunks there & sev. mentioned deer. Bird list for La Labor camp area:

Wh. eared Hummingbird	Roadrunner
Turkey Vulture	Yellow bl. Cuckoo - 1
Scott's Oriole	Botter's Sparrow
Varied Bunting	Brown Towhee
Blue Grosbeak	Ash. Goldfinch
House Finch	Curve bl. Thrasher
resident. rufous backed thrasher	
Mockingbird	Cactus Wren
Pyrrhuloxia	Bewick's Wren
Canyon Wren	Phainopepla
resident. trogon	2 large resident. buteos
Raven	resident. Tanager (hepatic?)
Wh. w. Dove	Inca Dove
mourning Dove	resident. dk. w. pigeon
Scaled Quail	Ladder bk. Woodpecker
Golden fr. Woodpecker	Long tl. Chat
Black Phoebe	Vermillion Flycatcher
Verdin	Cassin's Kingbird (feeding yg)
resident. flycatcher	Rough winged Swallow - feeding yg.

At 5 mi by road N Calvillo Peter shot a rock squirrel. We had seen several along the road. At a place 2.4 mi. by road N Calvillo

LIDICKER

1958

we stopped to camp. This is a much more open desert area than that around La Labor. We set out 96 traps - including 31 in an open fallow field only slightly grown up in which we found some dipso sign. Was abundant Neotoma sign in the area. Much rain during night.

July 17

Catch: Dipodomys ornatus - 1 + 1 tail

Perognathus - 2

Neotoma - 1

Heard coyotes in early AM. Left out 7 rat traps in the hopes they might pick up ground squirrels.

Saw Lepus californicus + Sylvilagus (P.M.).

During the afternoon I captured a Bufo, shot 3 Cnemidophorus + shot 1 jackrabbit.

The latter I skinned out + we had it for dinner. Set³ out a total of 85 traps: ~~34~~ 34 in desert scrub area (1 for Neotoma); 39 in very tropical canyon on W side of road + hidden from view by rise in hill to W of road; 5 traps along row of mesquite along road; 2 additional Neotoma sets; + 5⁺ rat traps in open field by fresh looking burrows. Hard rain right after traps set + much rain during night. Heard many bats later in evening - after dark. The tropical canyon mentioned above is a relatively limited area but has very thick + jingly

LIDICKER
1958

vegetation with lianas, etc. A weird rosette-shaped species of Selaginella is com. on the rock walls of this canyon.

July 18

Catch: desert scrub - Dipodomys ornatus - 1

tropical canyon - Perognathus - 2

Peromyscus sp - 1 (large²³, long tailed)

Neotoma - 1

Nothing in the other lines. Bird list for this
campsite: Bewick's Wren

Copper tailed (Elegant) Trogon (PM) - 2 heard only
Bob-white (heard)

Crow or Thrasher -

T. Vulture

Varied Bunting

Scaled Quail

Blue Grosbeak

Pyrrhuloxia

Verdin

Mockingbird

Goldfinch

After skinning we broke camp & returned to Calvillo. We bought some supplies & then headed W. We made an abortive attempt to find "Tuto" or Pedro de Loera so that we could find some bats in town. 7.9 mi. by road W of Calvillo (7½ mi. WSW) we saw a Rock Squirrel & collected a large Sceloporus (torquatus group). 13.3 mi. by rd. from Calvillo we crossed a river; .8 mi further saw a flicker; & at 17.2 mi from Calvillo we learned we were in Zacatecas & that the state line was about

LIDICKER
1958

(July 18 cont.)

8 km. back, so turned around & headed back. 11.9 mi. from Calvillo we recorded a Sparrow Hawk. After some more checking we finally found Arroyo Soto which is the state boundary & is about 8.6 mi. by rd. from Calvillo (metered at closer to ^{8.7} on way back). .3 mi. E of Arroyo Soto - which had flowing water in it - was another nice looking canyon where we camped ($\frac{1}{4}$ mi. E state boundary, 8 mi. SW Calvillo). Just after we got the tent set up "Tito" came by in a truck with Jesus Hernandez Martinez - who turned out to be an agronomist who had been all over Latin America & went to Universidad de Mexico - lives in Calvillo also. They ~~let~~ gave us a newspaper & talked ~~me~~ ^{me} into ~~riding~~ riding into La Palma, Zacatecas, with them on the chance of getting some bats there. Tito had a truck load of abarrotes for a local tienda in La Palma so I chatted with him, Martinez & local residents while the truck was being unloaded. They assured me that there was a cave with bats about $\frac{1}{2}$ hr. walk to the S of La Palma. We returned to camp finally & I set out 47 traps in the canyon by camp after dark. These were partly along brush & rock fence near the entrance to the canyon & partly in grass near the bottom, ^{also on scrubby walls.} Peter saw several bats at dusk - 1 small + 1 large.

July 19

Catch: Peromyscus - 3 (all in brush & stone wall)

Perognathus - 1

1958

(July 19 cont.)

Liomys - 1 (herby + shrubby area nr. bottom)

Shot a Cnemidophorus around camp. After skinning Naomi & I drove the car to La Palma: 1.4 mi. ~~W~~ of Arroyo Soto turnoff to S for .5 mi to La Palma. Here we parked the wagon & walked S out of town.

We continued S 40 min. or more. Collected a Cnemidophorus about 1 mi. S La Palma, 13 mi NE Jalpa, Zac. We talked to a number of local residents in this area & none of them knew of any cave nearby although a couple thought there might be some much further to the S in the mountains - which could be seen but were much farther than a. afternoon's walk away. We returned to camp & then walked to Arroyo Soto for a bath. Earlier another fellow named A. Soto stopped in a blue pickup & chatted. He had lived in Brawley, Calif., & knew some English. He now lived in Calillo. Set out 30 traps in canyon & along slopes; 15 traps along a rock wall; 1 rat trap ~~by~~ by a fresh looking hole along a path; 35 additional traps in the canyon, but these mostly in tropical areas with lush vegetation; 1 trap by dips looking hole on grassy flat; & finally 20 traps on dry gravelly hillside with some yuccas. Total trap = 102! Did not see any bats in evening. Saw 1 Citellus variegatus along edge of canyon in afternoon.

LIDICKER
1958

~~Also caught 1 yg. Sceptriopus~~ Hard rain during night.

July 20

Catch: Perognathus - 5 + 1 tail

Peromyscus - 2

Liomys - 3

Skinned animals + caught 1 yg. Sceptriopus.

Single rat trap set along path had been sprung & dragged about 50 ft. Bird list for camp area:

mex. motmot - 1 (PM)

Vermillion Flycatcher

Myiarchus sp - with fledged yg.

unident. plain flycatcher - no eye ring, olivaceous
flanks, pewee size, notes: speeeeee

Cassin's Kingbird

Brown Towhee

Blue Grosbeak

Varied Bunting (2 broods fledged) House Finch

Pyrrhuloxia

Ark. Goldfinch

Trogon (heard only)

Verdin (with yg. + building nest - S of La Palma)

Summer Tanager - ♂ in song + on territory

Scott's Oriole

Mockingbird

Curve ll Thrasher

Wh W. Dove

Mourning Dove

Inca Dove

Wh fronted Dove (S La Palma) Violet gr. Swallow

Barn Swallows

Scaled Quail

Horned Owl (heard by Mark)

Barrow Hawk

Cactus Wren

1958

(July 20 cont.)

incident. vireo-like bird (PM)

Canyon Wren

Brewick's Wren

We left camp after lunch & headed back for Calvillo. We talked to a kid ~~to~~ who posted us around camp. He gave us his name & address as: Santos Jimenez, Jalisco de abajo, Calvillo, Apx. Marler talked to an old codge earlier from the same address & he has his name written down also. .4 mi. E of camp we saw another Citellus variegatus. 5.6 mi. E we saw a Roadrunner & a Scott's Oriole. In Calvillo we bought some more supplies, including white gas. We ran into A. Soto who didn't know of any bats in town & also ^{2nd} J. H. Mortimer who was pretty "high" but bought us a couple of cokes & we chatted awhile. Tato wasn't around. We gave up the idea of finding any bats in town & continued E. 13 mi. E of Calvillo we saw another Sparrow Hawk & 2.8 mi. farther - a flicker. We camped just beyond km. marker 26 where the road makes a sharp curve N & you can see Aguascalientes in the distance. As noted earlier this is right near the highest point on this road. There is a small settlement here of only a couple of families called Venavero^{= Venavero} (13 mi. W. Aguascalientes). Set 128 traps in open areas & brushy areas around camp. This also includes traps set along rock walls & in quite grassy areas.

(July 20 cont.)

There was a small amount of Neotoma sign in the rock walls. This also includes 2 blind steel sets set in the entrance of fox-sized burrows in the rock bank. Saw several Sylvilagus. Heard 1 bat in evening going over high. Hard rain all night without any noticeable let up.

July 21

Catch: Mus musculus - 3 all in herbaceous vegetation near a rock wall not too far from houses - all 3 from small area.

Reithrodontomys - 1

Brufu - 1

Pedro shot a Sylvilagus + later a rock squirrel. We both saw sev. Sylvilagus. In afternoon I explored around for better trap sites + collected 2 yg. Thomomys + 2 brown towhees - skinned both towhees. Set out 32 traps in an oak grove on the edge of a hill with some rock outcroppings, also mangarita; 10 traps in herb area for Reithron (where I caught 1 last night); 1 steel for Neotoma in a rock wall; 35 traps in brushy + relatively open grassy areas - with some dips looking signs; 5 rat traps around camp at dips looking holes; 2 steel sets left out. Total traps 85. Pedro shot 2 more Sylvilagus in afternoon. It started raining before I got all my traps out + continued all night - started several hrs. before dark. After dark I ran my trapline

LIDICKER

1958

(July 21 cont.)

in the oak grove + also the 10 *Reithro* sets - in the rain. The spade-foots were out in force + I easily picked up 10, most of which were calling from 1 small pond; one pair in pelvic amplexus was preserved. ♂♂ were calling while floating in the H₂O with hind legs sprawling. Sometimes they grasped veg. with their fore feet. Occasionally ♂♂ moved about + investigated other individuals. These 10 were kept in a plastic bag overnight ~~by~~ + by morning many eggs had been shed, a few of which were preserved also.

July 22

Catch: Peromyscus sp. - 4 (3 in oak grove - 1 picked up in evening + 1 in brushy area)

Scaphiopus - 1

Skinned these plus 2 rabbits; gutted the ground squirrel. Bird list for camp area:

Scott's Oriole

Meadowlark

Black chinned Sparrow

Brown Towhee

House Finch

Varied Bunting

Rock Wren

Beards' Wren

Song's Phoebe

Mockingbird

Rufous cr. Sparrow

Botteri Sparrow

Lark "

Ark. Goldfinch

Blue Grosbeak

Cactus Wren

Canyon Wren

Vermillion Flycatcher

Myiarchus sp.

Curve bl. Thrasher

1958

(July 22 cont.)

Flicker

Golden fr. Woodpecker

Arca Dove

Wh. w. Dove

Mourning Dove

Black Phoebe

Wh. thr. Swift (P.M.)

Violet gr. Swallow

Scaled Quail

Bobwhite

Horned Lark

Verdin

resident. hummers

Roadrunner.

Although we didn't catch any lizards at this locality, I feel sure that some species is present (Ordii or ornatus or both). We broke camp after lunch & headed for Aguascalientes, 10 mi. S of camp & less than 7 mi from Azoc. We saw another meadowlark. 1.7 mi. further we saw a spilosoma-like ground squirrel. $\frac{1}{10}$ mi. beyond this we heard a Microhylla call, & in $\frac{9}{10}$ more mi. (4 mi from Azoc.) we came to a moderate sized lake on which we saw:

Coots - 100 ±

B.A. G. Grebe

Mex. Duck - 1

Barn Swallow

Ruddy Duck - 6

Black Tern

to Jefe at
to told us about
large mammal
milpas around
Santa, Zac., which
red MAPACHE.

1.5 mi. further we heard another Microhylla. In Aguascalientes we went to the post office & bought a few groceries. Then we headed N & then turned E at the Loreto turnoff. Up to about km. marker 7 (from jet. - 52 km. to Loreto) there is nice scrubby desert, then for about 1 mi. there is a stretch with much prickly pear, & then back to scrubby desert with some cholla. 7 mi. from jet.

LIDICKER
1958

(July 22 cont.)

(km 11) there is a joboso. km 18 - nice looking desert again; km 20 - spectabilis mounds. 13.8 mi. from jct. is town of Santa Maria Gallardo. Still rolling hills with good desert in this area. 1.9 mi. beyond Sta. M. Gallardo we came to Presa del Llavero. Beyond this the road follows fairly closely a river valley which is to the N - has cottonwoods along banks, etc. 18.3 mi. from the jct. we came to Viudas de Oriente. Beyond this (km 31-32) there is excellent open desert. By km 33 it gets a little thicker with some milpas. 22.1 mi. from jct. (km 35) there is a gravel road going S. km. 37 - strike. 24.7 mi. from jct. is town of Molino Viejo. Beyond this, km. 41.5 seems to be about the highest point on the rd. At km 42 is gravel road going N. 29.3 mi from jct. is Chisocotomo (Zac.). Half a mi. beyond here we learned that we were in Zacatecas so we turned around & returned to the vicinity of km. marker 31 to camp. This was 1.1 mi. by road E of Viudas de Oriente (1 mi. NE Viudas de Oriente, 11 mi. SE Rincon de Ronos). Set out 92 traps in desert around camp. Heard 1 bat in the evening. Just after dusk it began to pour & it continued to pour with strong winds most of night. Peter & I spent well over an hour ditching & draining the tent which was not in a particularly low place. After dinner I ran all my traps & reset them

DICKER

1958

although it continued to rain.

July 23

Catch: Dipodomys merriami - 2

Perognathus sp - 3

Peromyscus difficilis ? - 1

Trapped + shot 2 yg. + 2 ad. Citellus during the morning. Bird list for camp: → 1 ad. ♀ + 1 yg. caught in same trap at same time.

Brown Towhee

Curve lt. Thrasher

Cactus Wren

Bewick's Wren

House Finch

Desert Sparrow - feeding large yg.

Ark. Goldfinch

Raven

West fl. Gnatcatcher

Blue Grosbeak

Inca Dove

Wh. w. Dove

Mourning Dove

Scaled Quail

Mockingbird

Copper backed Woodpecker

Flicker

Cassin's Kingbird ?

Myiarchus sp.

Verdin

Also saw 3 jack rabbits around camp. We broke camp about noon, returned to Aguascalientes. At km. 13 on Loreto rd. saw another Citellus. We stopped briefly at the post office + then headed south on highway 45. 6.6 mi. N of the state boundary we saw a meadowlark. We continued on to Lagos de Moreno + then took highway 80 toward Guadalajara. 9.1 mi E of Jalostotitlan we saw a large spotted ground squirrel on the road investigating another squashed one. Noticed many

LIDICKER
1958

large oaks just E of Tapatlán. We stopped to camp at 11 mi. SE Guadalupe ~~area~~ in the same place we had camped 2 yrs. ago. This is .6 mi. E of Tateposco & 4.5 mi. E of Tlaquepaque. It rained intermittently all afternoon & also most of night. During evening Naomi & I skinned our 4 Citellus from last camp.

July 24

Broke camp early & headed for Guadalupe ^{Saw Derby Delicatessen around camp.} .9 mi. beyond Tateposco we saw a yellow headed blackbird. At camp we had collected 1 Bufo + 2 small hylids. We spent about $1\frac{1}{2}$ hrs. in the main market of Guadalupe & then continued W. 19.2 mi. E of Amatitán the road gets into 2nd growth pines & oaks - especially on the slope on south side of road. By 10.7 mi W Amatitán, however, you get out of most of the pines. 4.4 mi. W Amatitán we saw another large ground squirrel like the one seen yesterday near Jalostotitlán. .2 mi. further is km marker 1717. Tequila is 7.9 mi. by road W of Amatitán, & Magdalena is 12 mi. beyond Tequila. At 3.2 mi E of Magdalena we saw a quail along the road which looked like a bob-white. At 10.1 mi beyond Magdalena we saw ~~a~~ a white tailed hawk & sev. black vultures. At the jct. of the road to Jala (Nayarit) we saw lots of black vultures. We stopped for gas

DICKER

1958

(July 24 cont.)

in Tepic & then continued N. At 8.2 mi N Tepic we saw our first Mexican Crows (2). At 23.1 mi N Tepic we saw a large cottontail run across the road. We saw another which didn't look quite so big 7.7 mi farther. 32.7 mi. N Tepic we stopped briefly & ~~found~~^{saw}: Dusky Flycatcher

unident. gray flycatcher with white throat - pewee size

White-collared Seedeater - singing

blue-black Grosbeak - singing

Kingbird

Boat & Grackle

Mex. Crow

unident. green parrot

.8 mi. farther the road crosses the Rio Grande de Santiago. 8.3 mi N of this rio we saw our first Audubon's Caracara, a flock of white faced parrots (PM) & an unident. oriole. 1.9 mi. farther we saw a red bl. pigeon & another flock of parrots. At 10.6 mi N of rio - flock of green parakeets & an ani. .3 mi farther - blk. vulture; .2 mi farther - yellow-winged Cacique. 12.5 mi. N of rio the road crosses the Rio San Pedro. 10.6 mi. beyond this we saw a great blue heron & a killdeer. 1.8 mi. farther we saw 2 tree ducks & at 13.8 mi N of the rio a scaled quail. 2.7 mi beyond this we saw a meadowlark and a flock of parrots which may have been Lilac-crowned (red forehead & bend of wing). 9.9 mi. S of the jct. with Hwy. 12 I saw a large jay which seemed to be either

1958

(July 24 cont.)

a green jay or a purplish-backed jay. We continued N of Acaponeta + into Sinaloa. We camped 7 mi. SSE Escuinapa. Collected a hybrid and a pointed-nouted Bufo around camp.

July 25

We had a rather miserable night between the heat, high humidity, + mosquitos. We broke camp early + continued N. Peter saw a red-eyed cowbird around camp. 1.7 mi S of Escuinapa we saw another gt. blue heron + .8 mi from Escuinapa we saw a quail which had a scaly back + seemed dark brown all over. 8.9 mi N Escuinapa - gt. Bl. Heron. 5.9 mi. S Agua Caliente we saw a large dark quail with a dark tufted head, dark bill, + with white throat. 4.5 mi. S Villa Union we saw another yellow-winged cacique + 1.2 mi further - Derby Flycatcher. 10.4 mi N Villa Union we observed a Snowy Egret along the road. We continued N of Mazatlan ~~and~~ + about 30 mi. NNW Mazatlan (34.7 mi. S by road Cosala turnoff + 17.4 mi by rd. N of Tropic of Cancer) we picked up a turtle on the road. 7.1 mi. further on we got a good look at a Buteo nitidus. 27.8 mi. S Culiacan saw what appeared to be a Gambel's Quail. 13.9 mi S Culiacan saw a group of Black Vultures. In Culiacan we bought a few fruits in the market + had lunch on N side of town. 40.4 mi. N Culiacan I saw a large magpie-like jay with a long

Gambel's P. pulcherrima with 2
ticks on dorsal scutes, etc.
Amphispiza bilineata Koch

LIDICKER

1958

(July 25 cont.)

tapered tail. 3.9 mi S of Guamuchil we saw 2 more tree ducks + then 18.4 mi. N Guamuchil we saw about 25 black vultures. The town of El Burro is 22.1 mi N of Guamuchil. 2.7 mi N El Burro we noted a meadowlark + 4.2 mi farther - about 35 black vultures. 20.4 mi S of the crossing of the Rio del Fuerte we saw a Franklin's Gull, an avocet + a number of incident. peeps. 11.2 mi. N of the Rio del Fuerte we saw our first W. sh. Raven from the West coast, (this was 12.4 mi S of El Carrizo). 44.2 mi. S Navojoa we recorded a Sparrow Hawk. About 28 mi. N Navojoa there are alot of agave-like plants (planted?) with grass in between them. merriami habitat seems to be scarcer than from Navojoa N at least to Fundicion. As you get closer to Cd. Obregon there is alot of open mesquite, but also is alot more herbaceous vegetation; also much cultivated. On the N side of Obregon is is very agricultural + grassy + does not seem to be merriami habitat. On the N side of the Rio Yaqui it reminds me of the country along the Colorado R. near Yuma. Following this is an area of open gravelly desert followed by a thick grassy + scrubby area. Beyond this is open desert again, more sandy also, but still alot of grass + thick areas; some cultivation to at least km. north 1879 (28.1 mi. S Pitahaya). At this point it seems like merriami

LIDICKER
1958

(July 25 cont.)

country, but is still on the thick side. About here it got too dark for further observations. The general impression is that the Rio Yagui itself is not much of a barrier to movement but that there is a fairly good ~~band~~ of relatively unsuitable habitat along either side of the river. We stopped in Guaymas & ate our 1 & only meal out while in Mexico. Then we continued N toward Hermosillo. 85.2 mi. N Pitahaya (by rd.) we saw a dead antelope jack on the rd. 16 mi further we stopped & had a good look at a W. Diamondback (Crotalus atrox). We stopped for gas in Hermosillo & continued N about 25 mi. before camping for the night. There were lots of Antelope jacks seen along the rd. at night.

July 26

We got a fairly early start again & continued N. 18.6 mi. S Los Chinos we saw our last black vulture for this coast. 10 mi S Los Chinos (10.5 mi. by rd.) 48 mi. S Casa Blanca, we picked up a large black colubrid with a reddish belly DOR. Shortly beyond this point we began to notice that Fouquieria splendens began to replace another species of ocotillo which had been com. to this point. Also the desert gets more open with more cholla & palo verde. By about 10 mi N Los Chinos the other species of ocotillo is pretty well gone - still a few. At 17.8 mi. S

LIDICKER
1958

(July 26 cont.)

Casa Blanca (17 mi. S Casa Blanca) we picked up a large blue striped colubrid DOR. $\frac{1}{2}$ mi. farther we saw a rock squirrel. 12.9 mi S Casa Blanca Larrea appeared & was almost solid in patches. 1.2 mi. farther we noticed ~~for~~ our first saguaro. 6.4 mi. S Casa Blanca - no longer any Larrea but instead the habitat is very open with scattered low mesquite & some short grass. Saw an oriole here which seemed to be a Bullock's. 2.3 mi. N of Casa Blanca is Estacion Llano. Just N of here there is a thick stand of Larrea - then back to open scrub again. About 8.3 mi. S Santa Ana there is much Larrea & some palo verde. 7 mi farther the desert gets more gravelly with a few saguaro, but still much Larrea & cholla. To 11.2 mi. from Santa Ana to Magdalena. (in this stretch) Here, the slopes along the Magdalena Valley are very gravelly & not good dips habitat. There may be a few good areas in the uncultivated parts of the valley. Even the flat areas are quite gravelly & soil seems darker. There is no obvious change in the vegetation. ~~on the~~ The whole area around Magdalena is hilly with medium dark gravelly soil. Later it becomes fairly open with paler soil, but is still hilly, moderately gravelly & with some grass. We stopped in Nogales for little over an hour to take a look at the turista shops. Then we went through customs & into the U.S. This was about 1230. We continued N on

DICKER
1958

(July 26 cont.)

US 89 to Tucson. Country slopes off very gradually from S of Tubac to vicinity of Continental. At the Pima Co. line the habitat is still fairly grassy, but is changing very gradually. N of the Co. line it seems almost like typical merriamii habitat, but we still have some grassier areas. We took Ariz. 84 to Ariz. 87 to Coolidge & then Mesa. US 60+70 to Blythe. It got dark between Wickenburg & Aguila. We continued W of Blythe & finally camped $\approx \frac{2}{3}$ of the way to Desert Center.

July 27

Had breakfast in Indio; took US 99 to Colton & then US 91 north to jct. with US 395. Took this to jct. with 466 & then US 466 to Bakersfield where we had lunch. Took US 99 to Modesto, Calif 132 + 33 to US 50 near Tracy. Had dinner in Tracy, continued W to Calif 21 to Walnut Creek & finally Calif. 24 to Berkeley. We got in about 2130. Speedometer reading 20135 making a total of 5387 miles traveled. Payments to U.C. garage were \$275.48 plus \$15 for stolen tire & \$1.90 for tube. Total = \$292.38



Salton Sea Desert, 4 mi. NW, $4\frac{1}{2}$ mi. W Truckhaven,
33 mi. NW Kane Spring, Imperial Co., Calif. Sept. 9, 1958.



Same location as above



Camp in Salton Sea Desert, 4 mi N, $4\frac{1}{2}$ mi.
W Truckhaven, 33 mi. NW Kane Spring,
Imperial Co., California. Al Zeigler
on right, WZL in tent.

September 9, 1958

LIDICKER
1958

found my page

is over

beginning

See July 13

it was quite sandy. All 3 of us set about 154 traps around camp which was fairly gravelly except for a number of sandy washes: moderate amt. of life sign. Al saw one bat in evening. Dick shot 2 Uta, 1 Crotaphytis wislizeni, 1 Holbrookia. Al picked up 1 Coleonyx variegatus.

Sept. 9

Catch:

Perognathus longimembris - 2

Peromyscus maniculatus - 1

4 mi. N, $3\frac{1}{2}$ mi. W Truckee - 2

Perognathus (Chaetodipus) - 3

Peromyscus crinitus - 1

4 mi. N, $4\frac{1}{2}$ mi. W Truckee:

Perognathus (Chaetodipus) - 11

P. longimembris - 1

Dipodomys merriami - 7

Peromyscus crinitus - 1

Dick picked up a Crotalus cerastes + another Uta.

Saw a Shrike (only bird). Skinned animals, had lunch

+ left about 1300. Maximum temperature recorded

was 47.5°C . - usually stayed around 45°C .

Continued S to get with Calif. 78. Continued W

to Scissors Crossing + then S toward Box Canyon.

We set about 103 traps at Scissors Crossing about

141 around camp which was sl. less than a mile S of the

main rd. on a dirt rd. ($3\frac{1}{4}$ mi. S, $2\frac{1}{4}$ mi. E Scissors



Earthquake Valley, looking NE from camp at $3\frac{1}{4}$ mi S, $2\frac{1}{4}$ mi E Scissors Crossing, San Diego Co., California. September 10, 1958



Earthquake Valley, $3\frac{1}{4}$ mi S, $2\frac{1}{4}$ mi E Scissors Crossing, San Diego Co., California. Sept. 10, 1958

DICKER
1958

Crossing). We also made 6 gopher sets (11 traps)
along main rd. ($2\frac{3}{4}$ mi. S, $2\frac{1}{2}$ mi. E Scissor Crossing).
Caught a Xantusia around camp & Dick picked up
a Rhyrocheilus. Ran trap lines around camp after
dinner. Saw sev. small bats at dusk.

Sept. 10

Picked up traps; Catch:

Scissors Crossing:

Oryzomys torridus - 6

Perognathus longimembris - 15

Perognathus (Chaetodipus) sp. - 1

Peromyscus maniculatus - 11

Dipodomys agilis - 1

Dipodomys merriami - 11 (1 alive)

Campsite:

Oryzomys torridus - 7

Perognathus longimembris - 5

Nestoma lepida - 1

Perognathus (Chaetodipus) sp. - 4

Dipodomys merriami - 34

Also caught 2 Thomomys bottae & left 2
sets out. Saw 1 Sylvilagus along trapline at
Scissors Crossing. Dick shot 1 Cnemidophorus
about noon. Skinned until about 1700 & then
packed up & headed toward Julian. Picked up 2
remaining gopher sets & had 1 more T. bottae.
Not far from Scissors Crossing the road goes over



Earthquake Valley, looking NW from camp
at $3\frac{1}{4}$ mi. S. $2\frac{1}{4}$ mi E Scissors Crossing
San Diego Co., Calif., Sept. 10, 1958.



Camp, looking W, at $3\frac{1}{4}$ mi. S, $2\frac{1}{4}$ mi E.
Scissors Crossing, Earthquake Valley, San Diego
Co., Calif., Sept. 10, 1958



IDICKER

1958

(Sept. 10 cont.)

a pass & into another valley (Banner Canyon). This valley has entirely different vegetation from San Felipe & Eschscholtz valleys & merriami is doubtably not present. Vegetation includes juniper, manzanita, scrub oak, grass, etc. Beyond Banner the road climbs continuously & steeply to Julian which is in the pine country. After getting a few supplies in Julian we headed S toward Mt. Laguna. The road all the way to Mt. Laguna is in high coniferous forest. When we passed the head of Cottonwood Canyon we stopped & looked down into Mason Valley. The canyon is very steep toward its head & definitely not a passage for D. merriami. It got dark shortly past ~~Cottonwood~~ Mt. Laguna. The road descends slightly into Crouch Valley (Crouch Meadow) which is a grassy meadow surrounded by forest & not merriami habitat. We continued to get. with US 80 & then SE about 1 mi. to Glenduff Campground. Nowhere along this stretch was there any merriami habitat. We set up camp in the campground & set about 40 traps in a small canyon & along a brush covered slope.

Sept. 11

Picked up traps. Catch:

Peromyscus boylii - 6

Perognathus (Chondestes) sp. - 1

DICKER
1958

(Sept. 11 cont.)

Al set 2 gopher sets before breakfast. We skinned our catch plus some left over specimens from yesterday. Were lots of birds around camp including Mt. Chickadee, Plain Titmouse, rufous warblers, scrub jay, ♀ tanager(?). Caught no gophers. Left camp ~ 1300. We continued S toward Buckman Springs in the hopes of getting gas. We found that no town ~~existed~~ existed so we turned back toward Pine Valley. At about 8/10 mi. N Buckman Springs the rd. crosses a bridge over a small stream. Here we noticed a mine shaft on the hillside to the NW. We stopped & explored the mine. It contained 1 Corynorhinus, but we were unable to capture it. We continued to Pine Valley, bought gas then went back to Mt. Laguna.

~~After making local~~ Saw lots of gray squirrels along this stretch of road including several DOR. After making local enquiry we headed toward Thing Valley on the Morris Ranch Truck Trail. The road winds down the mountain & finally into Thing Valley (5.9 mi.). We collected several lizards along the road. In Thing Valley the Morris Ranch Truck Trail junctions with the La Posta Truck Trail. We turned N on this ^(~100 yds) & found a locked gate across the road. We parked & walked 1 1/2 mi. N to Thing Ranch & found no one home so we walked back to the truck & camped off



Send Thing Valley looking NE, San
Diego Co., Calif., Sept. 12, 1958.



IDICKER
1958

the road about 100 yds. S of the jct. Then we set about 212 traps + 4 gopher sets (8 traps) in the area from camp N to where the wash crosses the trail (bridge over wash). This is almost $\frac{2}{3}$ of the way to Thing Ranch. We collected a few lizards while walking around. There was quite a bit of dipso sign especially along the rd. + on the edges of the sandy washes. Al shot 1 goatsucker + saw 2 others. We heard their calls frequently (a short 2 parted affair). We saw about 5 small bats but weren't able to collect any.

Sept. 12

Got up early + picked up traps. Catch (S end Thing Valley):

- Dipodomys agilis - 8 + 1 tail tip
- Thomomys bottae - 2

Peromyscus sp. - 2

P. maniculatus - 15

Microtus - 1

One agilis which I caught was in a large open runway in ~~a~~ a grassy + brushy area. Al caught the Microtus in marshy vegetation around a puddle in the wash. The 2 Peromyscus sp. were in the chaparral around camp. Yesterday evening Al caught a Hyla sp. in an old rotten log. Dick saw sev. Sylliolagus last evening. Left camp about 1300 after skinning animals. Headed S on La Posta Truck Trail



McCain Valley, $3\frac{1}{4}$ mi. N. Manzanita,
San Diego Co., Calif., Sept. 13, 1958



same locality as above

1 DICKER

1958

(Sept. 12 cont.)

toward US. 80, Rd. goes over low pass S of camp + then descends all the way to US 80 (7.9 mi). About half way to highway vegetation opens up into open chaparral with chenise-like plant dominant. This type of vegetation continues all the way to Mangayuta + is probably not merriami habitat. On US. 80 we turned SE toward Mangayuta. In Mangayuta we bought a few groceries + then headed N on dirt road (paved for $15 \pm \frac{1}{2}$ mi) into McCain Valley. We camped about $\frac{1}{2}$ way up the valley passed a ranch + just before the rd. forks - the rd. fork going to a second ranch. Here we set 237 traps (including 5 gopher sets of 10 traps) ~~in~~ in brushy sandy areas, in overgrown fallow fields, in open chaparral (higher on slopes) + among rock piles. Was moderate amt. of dips habitat. The general effect was not that of merriami habitat. At dusk Al shot 1 Myotis subulatus. Later in evening we ran parts of our trap lines + caught up on field notes. Lots of birds seen around camp including huge flock of quail.

Sept. 13

Catch ($3\frac{1}{4}$ mi N Mangayuta, 3600+ ft., McCain Valley):

Dipodomys agilis - 12

Peromyscus maniculatus - 15

Perognathus longinervis - 5



McCain Valley, looking NE from camp
at 3 1/4 mi. N Manzanita, San Diego Co.,
Calif., Sept. 13, 1958.



same as above

DICKER
1958

(Sept. 13 cont.)

Perognathus (Chaetodipus) sp. - 2

Peromyscus californicus ? - 1

" boylii ? - 1

Neotoma lepida - 1

Onychomys torridus - 1

Thomomys bottae - 1

Peromyscus eremicus - 1

After skinning animals we broke camp about 1330. We headed W on US 80, took Calif 79 N to Aguanga. We picked up a Masticophis flagellum DOR about 3.3 mi. S of the Riverside Co. line. We set about 111 traps $\frac{1}{4}$ mi. ENE Aguanga. This was on a low sandy ridge which crossed the road to Coachula - a short distance from the jct. Then we set about 74 traps 1 mi. SE Aguanga (This is along highway 79 & is less than a mile from the jct.). Finally we set about 78 traps around our camp which was slightly down a dirt rd. which led SE off the main rd. to Coachula where there is a bench mark along the rd. ($1\frac{1}{4}$ mi. N, $\frac{1}{3}$ mi. E Aguanga - \approx 2 mi. by rd. from jct.). Total traps = 263. We watched for bats in evening & saw one & heard several, but weren't able to collect any. When it was nearly dark Al & I saw three owls flying near Cienega Rincon which is the wash just below camp. After dinner we ran our trap line around camp.



Dick Graham. Mc Cain Valley, $3\frac{1}{4}$ mi.
N Manzanita, San Diego Co., Calif.
Sept. 13, 1958.



Habitat at camp $1\frac{1}{4}$ mi. N, $\frac{1}{3}$ mi E
Aguanga, Riverside Co., Calif.
Sept. 14, 1958

1 DICKER
1958

(Sept. 13 cont.)

+ then the other 2 lines. Upon returning to camp we ran our trap line there for a second time. All traplines produced an abundance of animals + many individuals were seen moving around + nesting in the brush. We picked up a dead Sylvilagus auduboni along the rd. about $\frac{1}{2}$ mi. from main jet ^($\frac{1}{2}$ mi. NE Aguanga). We were up until 0200 running traplines + gutting our catch.

Sept. 14

Picked up all traps. Catch:

Camp ($1\frac{1}{4}$ mi. N, $\frac{1}{3}$ mi. E Aguanga) —

Dipodomys agilis - 3

Dipodomys merriami - 14

Peromyscus eremicus - 5

Perognathus fallax - 66

Onychomys torridus - 1

Neotoma sp - 3

Peromyscus maniculatus - 3

$\frac{1}{4}$ mi. ENE Aguanga — 10:00 AM

Dipodomys agilis - 3

Dipodomys merriami - 6

Reithrodontomys megalotis - 2

Perognathus fallax - 44

Peromyscus eremicus - 12

Peromyscus maniculatus - 6

Onychomys torridus - 2

Neotoma lepida - 2

LIDICKER

1958

(Sept. 14 cont.)

Perognathus longimembris - 1

1 mi. SE Azusa — 2150 ± ft.

Dipodomys agilis - 1

Dipodomys merriami - 14

Perognathus fallax - 13 (+1 tail)

P. longimembris - 3

Peromyscus eremicus - 7

P. maniculatus - 3

Totals:

Dipodomys agilis - 7

" merriami - 34

Perognathus fallax - 123

Perognathus longimembris - 4

Onychomys torridus - 3

Neotoma sp. - 3

N. lepida - 2

Peromyscus maniculatus - 12

P. eremicus - 24

Reithrodontomys megalotis - 2

Grand total = 10 species, 214 individuals

We gutted the rest of our catch + ~~the head~~
broke camp at 1000. We loaded N on Calif. 79,
+ US 395. We bought dry ice in San Bernardino
to help preserve our gutted specimens. Took Calif. 138
to Palmdale, US. 6 to Mohave, US 466 to Bakersfield,
US 59 to Madera, Calif. 132 + 33 to US 50 to
Calif. 17 in San Leandro, Ar. about 2145.

LIDICKER
1959

Baja California Trip

with NIL

March 28 - April 5, 1959

March 28

Left Berkeley about 1800 & took US 101 down Salinas Valley. Camped on side rd. a couple miles N of Atascadero.

March 29

Continued S on 101 after breakfast in San Luis Obispo. Just N of Carpinteria we saw:

green winged teal - 15

Coot - many

Shoveler - 10+

Sanderling - 30+

unident. Cormorant - 6

jeeps (unident.) - many

killdeer - 2

Amer. egret - 12

So. H. Heron - 2+

House finch

Willet (?) - 1

Along coast between US Naval Air Missile Center & Camillo Beach St. Pk.:

Dowitcher - 30+

Least Sandpiper - 1

L. bl. Curlew - 1

Mottled Godwit - 20+

Egrets (Amer?) - 2

Wren-tit (singing from slope)

unident. brown-bl. swallow.

Willet - 20+

So. Yellowlegs - 1

Blk.-bel. Plover - 1

Lesser Scaup - 20+

House Finch

Watched a Sceloporus sp. on a rock (brassy back, large scaled, collar - form, long tapering tail, yellow on inner surface of forearms, blue

LIDICKER

1959

(Mar. 29 cont.)

belly patches) was doing "push-ups" on rock & several times ducked behind the rock curling head to one side as if hiding, & then looked up again. Another individual on an adjacent rock (but not facing above individual) was also doing push-ups, but had some streaks on throat & no yellow & blue (♀?).

Visited friends in Santa Monica from about 1430 to about 1730. Continued S on alt. 101 & camped sev. miles E of Solano Beach on rd. going to Escondido.

Mar. 30

After breakfast in San Diego we continued to Tijuana & crossed over border without any trouble or delay. Went E on highway 2 toward Mexicali. 14.3 mi. W (by rd.) Rumorosa is a place called La Hechicera. The country gradually rises to the E & the first pines start at about 9 mi. W Rumorosa. Pines are scattered & not large. Much of the area is burned over. The pines get thicker toward Rumorosa but nowhere form a thick forest. 0.9 mi. W Rumorosa is a "town" called Est. Alaska. We went a short distance beyond Rumorosa to where we could see the desert & then turned around & went 16.2 mi. by rd. W Rumorosa where we set up camp (13 mi. W, 1 mi. N Rumorosa).

LIDICKER

1959

Set out 12 gopher traps (about 8 sets), 10 traps along bouldery outcrop + 83 in chaparral. This is an area which seems very much like jacumba. Both species of Adenostoma are present, both com. (the red-barked species seems commoner in the lower spots). ^{+ manzanita} The chaparral is quite tall + fairly open. It was quite windy + the night was cold. I ran ~~most~~ ^{most} of the traps after dinner.

March 31

Catch: Dipodomys agilis - 2

Reithrodontomys - 2

Peromyscus boylii - 2 (both on outcrop)

P. maniculatus - 10 (5 of these thrown away - 3 ♀ + 2 ♂ - all seem sexually active)

Peromyscus californicus - 2 (1 on outcrop)

Thomomys bottae - 1

After skinning catch, I piled up all gopher traps + caught 1 more T. bottae + a Dipodomys agilis. These last 2 we gutted before breaking camp. Birds were not too numerous. We noticed only Ravens, Oregon juncos, Scrub jays, Green-lk. Goldfinch + probably House Finches.

Nowhere along the stretch from Tijera to Rinovosa did there appear to be good D. merriami habitat. Nevertheless it is conceivable that they may occur rarely, or disperse through,

LIDICKER

1959

(Nov 31 cont.)

Much of the country from the vicinity of Tecate to the pine belt. Left camp at 1410 + continued E. The drop from Rumorosa to the desert is very spectacular + steep. The desert flat is reached only 15.6 mi. by rd. from Rumorosa, although there are some sandy washes extending considerably farther into the mountains. 19.2 mi. beyond the start of the desert, irrigation begins + dipso habitat ends. The junction with the San Felipe cutoff is 9.5 mi. further. We went into Mexicali for gas + then headed S on highway 5 toward San Felipe. 14.2 mi. S of jct. with highway 2 turnoff to San Luis irrigation stops + good desert starts. Irrigation starts again at La Puerta + continues for 2.4 mi., then there is desert for 1.4 mi. after which ~~there~~ there is more irrigation + bottomlands along the Rio Hardy. We began to see water birds 9.5 mi. S La Puerta. The road follows along the base of the Sierra El Mayor + in 1 place the river comes within 50 ft. of the mts with the road in between; in other spots swampland (flooded area) comes right up to the base of the mts. At 18.4 mi. S La Puerta is a small settlement called El Maritimo. Here the river turns eastward + 2.7 mi. further desert starts, although large areas have been flooded + consist of caked mud. At the south end of the Sierra El Mayor the

LIDICKER
1959

(Mar. 31 cont.)

Laguna Salada starts + extends all the way to the north end of the Sierra Prieta. There does not seem to be any good dips habitat on the east side of the main road from the beginning of flooded areas N of El Mayor to the north end of the Sierra Prieta. There was considerable water in the bar pits along the road + in some cases in shallow ponds further back from the road, but for the most part the Laguna Salada consisted of dried mud extending as far as one could see to the east + almost that far to the west. There were huge swarms of midges + some mosquitos around + the shallow ponds were covered with insects. In this stretch ~~area~~ (9.5 mi. S La Puerta to N end Sierra Prieta) we saw the following birds:

Killdeer - 10

Least Sandpiper - 5+

Lesser Scaup - 9

Pied bl. Grebe - 1

Coot - 60+

Snowy egret - 30+

Western Sandpiper - 350±

Vermillion Flycatcher - 2

Red-wing - sev.

Sora - 1 (heard call)

Little Bl. Heron? (2 imm.)

Ruddy duck - 3

Meadowlark - 2+

Eng. Sparrow - 2+

Cliff Swallow - num.

Texas Nighthawk - 100±

G. w. Teal - 4000±

(shortly after sunset these

R. w. Swallow - sev.

birds poured out of the mts. +

Amer. Egret - sev.

scattered over the flats to the east
(no calls were heard)

LIDICKER

1959

(Nov. 31 cont.)

Gr. bl. Heron - 4

Les. Yellowlegs (?) - 1

Pintail - 11 +

downy - 108 +

mottled duck? - 1

Shoveller - 1 +

blue wing or cin teal - 2

Willet - 1

It was dark by the time we got to the Sierra Prieta, but we could see large sand dunes on the north end of this range. We had some trouble finding a place to camp, but we finally stopped + set 31 traps after dark. This was in a very gravelly area with very scattered vegetation; some silt in washes, etc. There was only a little old sign of small mammal activity. Part of the area appeared as if it had been bulldozed some time ago.

April 1

Picked up traps; caught nothing + there was no indication of any activity. There was also no birds in this area - 1 possible House Finch flew by in AM; no herps seen. I skinned the two animals gutted yesterday + we left camp about 0840. Farther S in the mountains we watched a Marsh Hawk in come in from over the flat to the east (quite high for a Marsh Hawk) + climb up the mt. to the west, drive on a Red bl. Hawk which was sitting on the crest of the mt. + apparently feeding on something. They both

LIDICKER
1959

(April 1 cont.)

dropped over the crest + we could no longer see them. In places the road follows the E. edge of the mts + the dried mud flats come right up to the base of the mts. In places there are small patches of desert along the edge of the mts. + extending up into small draws. Between 2 portions of the Sierra Pintada the road goes out on a relatively flat area. There is a small settlement here called La Ventana. About 3 mi. N of here + also at La Ventana there are fairly good patches of desert at base of mts. 1.8 mi. S La Ventana, vegetation ends again + the rd. climbs into the second portion of the Sierra Pintada. The Sierra Pintada are very gravelly, but *Dipodomys* might occur rarely or locally along the fringes of the mts or in the valleys. From the SE slopes of the Sierra Pintada there is good desert all the way to the mts to the west + south. Desert also occurs to the east of the road for about $\frac{1}{4}$ mi. Immediately south of the Sierra Pintada the soil is still quite gravelly, but is sandy in spots; the desert becomes less + less gravelly as you continue southward. In fact some sign of *Dipodomys deserti* was seen nearly to the Sierra Pintada, but becomes much more abundant southward. A dirt road to El Valle de la Trinidad leaves the highway 23.8 mi. S of La Ventana (32.5 mi. N by rd. San Felipe - just S of Km marker # 149). We stopped near this jct.,

LIDICKER

1959

(April 1 cont.)

because of a flat tire, ^{callosaurus}
I shot 3 ~~turtles~~.

They were abundant here & so was small mammal sign. We continued S to San Felipe where we bought gas & had our tire fixed. Then we had a swim in el golfo. The weather was very hot. We took the sand road heading S of San Felipe toward El Marmol. 3 mi. by rd. S of San Felipe we turned off on a side rd. to the west which is just S of a small hill with an old mine shaft in it. We explored the mine shaft but found nothing. We then continued .2 mi. down the side road where we camped on the north side of a gravelly & bouldery hill. From the hill it appears that our camp is opposite the southern edge of Punta Digger. I shot 1 Uma & 1 Cnemidophorus. We set out 89 traps including 16 on the rocky slope behind camp; rest on sandy desert. Small mammal sign abundant. Desert very sandy with Freycinetia (blooming, but no leaves), Larrea, ~~etc.~~ Acacia, palo verde, etc. Ran trapline after dinner. Weather at night was warm, with almost no moonlight; clear.

April 2

Picked up traps; I caught very little else over last night, however NIK caught more than in evening.

Catch: (3 mi. SSW San Felipe)

Dipodomys deserti - 4

D. merriami - 13

see Citellus
ticandrus on
the edge of town.

LIDICKER
1958/9

(April 2 cont.)

Perognathus penicillatus - 3

P. spiratus - 1 (only animal caught in rocks)

Perognathus ^{Uta} sp. - 2

Shot a Sceloporus around camp while skinning
& also an interesting slender lizard (#1778) which was on

and quail

also mockingbird
mimicbird com.

the shaggy ~~for~~ bark of the mesquite tree in our
camp & matched it perfectly. It even "froze"
with its head arched upward which made it
look just like a strip of bark. We broke camp

as sev. C.
tereticaudus
as approached
town.

← about 1530 & returned to San Felipe where we
purchased some pan & then headed N after attempting
to find the dirt road which goes W from San Felipe to
Valle de San Felipe & Valle de la Trinidad. 7.6 mi.
N San Felipe (by rd) we saw a Swainson's Hawk
(observed perched as well as flying). We turned
W. on the dirt road to El Valle de la Trinidad
& went down this road 1.6 miles & made camp
at ~~the~~ sunset (31 mi. N, 7 mi. W San Felipe). I set
46 traps & NIL set 25. There was quite a bit of
old deserti-sign, but nothing fresh. There was some
fresh merriam sign. The soil here was still very
sandy but was sl. ~~more~~ coarser & tended
to have a thin crust. The vegetation was sparser
with fewer mesquite & palo verde, & slightly more
cholla than last camp. The day had been very
hot (well over 100 °F.). The night was also warm,
mostly clear, with almost no moonlight.

LIDICKER

1959

April 3

Catch: Dipodomys merriami - WZL-4
NIL-9 / total 13

It was very hot & toward mid morning we accidentally flushed a ♂ Golden-eye from the small unit. I shade on the opposite side of car from which ^{He flew off toward the NW.} we were skimming. Before breaking camp at 1230 we shot a pale bird with brown spots. Sev. Umas were seen, but none were collected. We returned to highway & continued North. As we approached the Sierra Prieta we noticed that not only did the soil get more gravelly, but it also ~~got~~ that the gravel got darker (sand below). The Larrea became more numerous & were very green & blooming profusely. In the northern parts of the Sa. Prieta we noticed many grounds of a Cucurbitid & chinese lanterns growing in low places along roadside. At a point about 11.4 mi. S of beginning of Laguna Salada it appears that dips access to the east side of the Sierra Prieta ends. ~~Birds seen along Laguna Salada:~~ On the north end of the Sa. Prieta ~~is~~ is a large sand dune area which has small mammal sign in & looks very interesting. We stopped & filled some bags with sand. Birds seen along Laguna Salada:

Amer. Egret - sev

Showy Egret - 25±

S. W. Teal - num., but not quite as many as on Mar. 31.

DICKER

1959

(April 3 cont.)

Pintail - 30+

Shoveller - 120+

Les. Scaup - 25+

Ruddy Duck - sev.

Turkey Vult. - 1

Red. H. Hawk - 1

Western Sandpiper - num.

Dowitcher - 40+

Coot - num.

Near El Mayor we saw a Black nk. Stilt & a pair of Cinnamon Teal. We crossed the border at Mexicali & drove north to Brawley where we stopped for dinner. (No trouble crossing border). We continued N on US 99 to Kane Springs & then took Calif. 78 to Yagui Well where we camped. Quite windy in evening.

April 4

Morning overcast & moderately windy; pleasantly cool. We broke ground camp for a short while & saw: Phalarope - very num.

Plumbeous Grebe - 1

Mockingbird - many

House Finches - com.

hard to find quail

There seemed to be much more dipso sign around Yagui Well than there was last year at this time. We also saw a dipso (merriami) in the headlights last night as we were approaching the Well. Continued on 78 to Julian. Picked up a Citellus beecheyi DOR 1.5 mi. by rd. SE of Wymola. This was just below the pine belt in scrub oak &

LIDICKER
1959

(April 4 cont.)

Mangrove ~~zone~~ zone. Saw a Sylvilagus bachmani
DOR 3.9 mi. E San Pasqual + 2 C. beecheyi 1.6 mi
E San Pasqual. Continued W on 78 to jct. with
US 101. Just E of this jct we stopped to look at
some birds in a slough along the road, which had
thick clumps of Scirpus. Birds seen:

Shoveler - 400 ±

Ruddy duck - 250 ± Tree Swallow - 1

Coot - 70

Barn Swallow - 6 ±

Pied bl. Grebe - 10 ±

Cliff Swallow - 120 ±

East Grebe - 40 ±

L. bl. Marsh Wren - 15 ±

Green Heron - 1

Killdeer - 5 ±

Bufflehead - 6 ±

Song Sparrow - 5 ±

R. bl. Gull - 2 ±

R. w. Swallow - 10 ±

Cormorant (resident) - 4

Com. Tern - 1

Dowitcher - 1

1st Yellowlegs - 1

Redwing - 2 ±

Mallard - 11 (1 pr. copul.)

Meadowlark - +

Stopped briefly at San Clemente St. Pk +
continued N toward L.A. Turned N on Calif. 39
from alt. 101 + joined 101 which we took to US 99
which we followed to Bakersfield + jct. with US
466; west on 466 to Calif. 33; north ~ 10 mi.
before camping.

April 5

Continued N on Calif 33; breakfast in Coalinga.

LIDICKER

1959

(April 5 cont.)

3.7 mi. S of end of Kettleman Hills we stopped to look in a series of ponds along the west side of the road. Birds seen included:

Meadowlark - + Cinnamon Teal - 3 pair

Coot - 2

Avocet - 15

W. Sandpiper - 60+ Least Sandpiper - 30+

Dowitcher - 1

Killdeer - 4

Wh. cr. Sparrow - abund. G. cr. Sparrow - 2+

Savannah Sp. - abund. Raven - 2+

Red. H. Hawk - 1

Just before the end of the hills we saw a C. beebeysii. Continued on 33 to get with Calif. 152. Just N of Firebaugh we saw:

Blk. nk. Stilt - 5

Mallard - 3

Dowitcher - 6

Forster's Tern - 1

Meadowlark - +

Brewer's blackbird - +

Red-wing - +

Killdeer - 1+

Just E. of Dos Palos (at rt. & bend in rd.) we saw first Red bl. Magpies of trip. Many seen afterwards. Calif. 152 to 10 mi beyond Los Banos + back on to Calif 33; to Tracy. 3.7 mi. E Los Banos:

Shorey Egrets - sev. 3.3 mi. E Los Banos:

Blk nk. Stilts - sev. + 1 ♂ Shoveller. 2.0 mi. E Los Banos:

Dowitcher - 400+ (some coming into spring plumage)

Blk nk. Stilt - 5+

Ruddy Duck - 12

LIDICKER

1959

(April 5 cont.)

Avocet - 15

Meadowlark - +

Coot - 45 ±

Redwing - +

Ame. egret - 1 +

Brewer's Blackbird - +

Killdeer - 1

Another blk. wk. stillt just S of Stanislaus
Co. line. Arrived in Berkeley about 1430.
~~At~~ A total of 1795 miles traveled.

LIDICKER
1959

MVZ CHIHUAHUA-AGUASCALIENTES EXPEDITION

June 10 - July 31

PERSONEL: A.S. LEOPOLD, W.S. RUSSELL, GEORGE BRYAN,
DAVID TAYLOR, WZL, & A.H. MILLER.

June 10

Left Berkeley ~ 0530; ov. Lindsay, Calif. to have
lunch with Woods & aunts 1155. Arrived in Needles
~ 2215; checked into El Rancho Motel & had swim
before going to bed. Bryan arrived in his own car
~ 2400.

June 11

Lv. Needles 0700 after breakfast. S on US 65 to
Vidal Jet. → Earp → Wickenburg, Phoenix, Globe, to
 Lordsburg & finally Deming. Was very hot day. Checked
into Plainsman Motel.

June 12

Up at 0500, breakfast in Deming; continued E. Larrea
desert starts rather suddenly ~ 9 mi. W Las Cruces.
W. of this point ~~the~~ there were mesquite thickets mainly.
soil also seems to get more gravelly at this point. S
of Las Cruces saw a hawk with white rump, white
wing lining with dark tips (possibly ♂ marsh
hawk). Dr. Anthony saw ♀ marsh hawk. Ar. El
Paso ~ 0830. After looking to a number of landmarks
& having lunch we went through customs. We
managed to get "courtesy cards" instead of tourist

LIDICKER
1959

cards after talking to immigration jefe & thus did not have to get gun permits. Continued S toward Chihuahua City. The desert seems unusually green probably as a result of last summer's heavy rains. Arrived at Santa Rita Hotel N of town ~ 1930 & had swim.

June 13

Spent most of day in Chihuahua shopping, changing money, ~~the~~ getting haircut, etc. Met J. G. Baldwins^V (1005 Calle 14) & also went to Señor Garcia's house & saw the 2 grizzly bears which he shot in the Sierra del Nido. Had late lunch back at hotel after a swim. A.H. Miller arrived by plane ~ 1700 so we went to dinner at Hotel Victoria in Chihuahua to celebrate.

June 14

Left Santa Rita Hotel 0605; had breakfast in drive a few miles to north. 18 mi. S of aduana station we stopped at a small presa which had 10 Baldpate on it. Ward & Starker each shot one (they both were thin & had very worn plumage). Also saw a black-tailed jack at this spot. At 2 mi. S of aduana sta. we noticed a W. meadowlark & a Shrike. At the aduana station we turned W. on a dirt road toward Sierra Nido & from Santa Clara. After just a few miles we began

1959

(June 14 cont.)

to get into the foothills + 3 mi. from Jct. we saw our first Citellus variegatus which we shot out of a oak. We continued through Cañon de Santa Clara + saw numerous C. variegatus until we got on to the W. side of the mts. 5 mi from Aduna Jct saw a Citellus spilosoma. Bird life was very abundant as soon as we got into the foothills. Among other things we saw Blue Grosbeaks, Black Phoebe, Curve billed Thrushes. After we crossed a ranch fence a few miles E of the village of Navarra we began to see gopher sign. Navarra is 11 mi. from the aduna str. + the crest of the mt. is 9 mi. beyond Navarra. The canyon goes through mixed pine-oak woodland + never gets into tall pine forests. The slope to the westward is much more gradual + the rd. descends into oak woodland + grassland. There are some large Mesquite settlements along the base of the mts. 9 mi from the crest we saw another C. spilosoma. We headed on dirt rds. toward the N until we came to the ranch of Don Ramon Prieto which is along the lower reaches of Cañon del Alamo. After chatting with foreman, wife, + kids we went off across their ranch to the SE for sev. miles + made camp by a presita + under sev. large piñon trees (elev. 7300'). Set out 51 traps near camp including 3 woodrat sets. No signs of anything other than the woodrat. Also set 11 gopher traps (7 rats) with Taylor. ~~At~~ Jack

DICKER
1959

4

saw a number of night hawks flying around (C. minor),
+ 2 large bats which flew by fast. ASL + Atton
reported a number of bats seen low over the
presita. Ran traplines; lots of ants + crickets, but
no mammals. I was with Ward when he shot a
gray scowd owl near 1 of my traplines.

June 15

Checked traps, but left lines out. Got 1 badly
eaten Peromyscus boylii (saved only skull); shot 1 bluebird
+ 1 Myiarchus cinerascens; no gophers. Skinned rock
squirrel shot yesterday, the 2 birds, a chipmunk
collected by Miller + 1 of 2 Lepus guillardi
shot by Taylor. Ran gopher traps in afternoon. Had
1 gopher. Scrub-jay nest near camp in clump of
mistletoe on dead oak with 3 eggs. Ward + I set
+ 2 traps for coyote near the presita with a
jack rabbit carcass for bait. Since I was feeling
sick I rested for while before dinner. Rebaited
the 51 traps + hit each about 2030.

← added a little peanut butter to oatmeal on
rat traps + few
others.

June 16

Picked up traps except for 1 pr. of out traps around
a wood rat house. Catch: Peromyscus boylii - 3

(1 too ant-eaten to save)

Neotoma albigula - 2

Picked up all gopher traps; caught 2 more
Thomomys. I skinned catch + 1 chipmunk
which Miller shot. Myiarchus feeding nearby

1959

full-grown egg in pigeon over camp. Also saw Parus sclateri + Wh. Bl. Raven. Something had stolen our jack rabbit bait, but not touched the traps. Coyote + Turkey sign abundant around presidio. Set 3 rat traps in ² grassy area where ³ museum species had been sprung without catching anything. Set 43 our species on open grassy flat N of camp + also in yucca thickets. Also made 3 new gopher sets. Saw 3 ♂ turkeys going to presidio at dusk. Reset "coyote set" with rotten baldpate with Ward, ~~and~~ We staked the duck down this time + set an additional trap nearer the bait.

June 17

Had gray fox - "coyote ~~trap~~ set". Catch on trapline: Dipodomys ordii - 1

Peromyscus boylii - 2

Taylor got a Signator minimus + another ordii. I shot 2 Purple Martins, a Robin, + a Violet-green Swallow. Skinned catch. Ward + ATOM both shot turkeys - Ward a ♂ ~ 9 lbs, + Miller a hen about 7 lbs. Starker got a Field or Wren's Sparrow + Miller got a Trogon elegans; Taylor a Barn Owl. Starker went into the ranch ~ 1030 to see Don Ramon + didn't get back until about 1600. He brought back a Catherpes sp. from open flat W of camp. After dinner I reset 43 traps set last night + set 25 more in

had shot a
2h. tailed
jack in eve. +
Bobcat practically
walked into camp.

DICKER

1959

similar habitat, but sl. higher up the slope & somewhat greener - with many burrows etc.. Saw fresh deer sign - 2 places today on trails leading from presidio to hills to N. ~~2~~ checked gopher sets: none. Went but shooting at dusk with Bryan around presidio. He shot 1 myotis & 2 collected a small hylid. There were at least 2 signs of bats coming in to water. Word reset "coyote set" & set 2 new sets with #2 steel for bobcats.

June 18

Checked traps & picked up all but 25 newly set ones, 2 rat traps set for Neotoma, 3 rat traps set for Dipos & 2 rat traps & a Mus. spec. set for Sigmodon. Catch: 1 D. ordii. Checked gopher traps - none. Saw Road-runner. Skinned ordii & Myotis shot by Bryan last night. About 0800 set out for main canyon to N of camp. In canyon shot a Sylvilagus floridanus, 1 Eutamias dorsalis, a whip-poor-will & a western Wood Pewee. Also saw Hepatic Tanager, Pygmy Nuthatch, Schater's chickadee, Steller's Jay, Arizona Jay, Acorn Woodpecker, Hairy Woodpecker, W. Wood Pewee, ~~Red~~ Kingbird, Myiarchus, Red H. Hawk, T. Vulture, etc. Returned to camp about 1130 & saw Sparrow Hawk over presidio. Had pleasant visit with Don Ramon & then lunch. Skinned rest of catch.

DICKER

1959

7

until dinner time. Ward caught a T. Vulture in "coyote set" by presita in PM. Went back to canyon after dinner to set traps. Set 31 along rock outcropping on S side of canyon - including 4 Schuyler sets for Neotoma. Also found a small area with runways in grass just S of edge of canyon. Set 7 mus. spec. here. Reset 25 + 8 traps left out from last night. Had a large Sceloporus (torquatus) in one of the out traps. A.H.M. shot a Hoary bat over the presita at dusk.

June 19

Ward had coyote in steel set by presita; nothing in other carnivore sets. Picked up traps on flat. Caught only 2 D. ordii. Checked & left out 31 traps on edge of canyon. Got only 1 Neotoma from them; sev. traps had been sprung & 1 disappeared. Shot 1 Eutamias & another Sayornis floridensis. Also got a Empidonax fulvifrons & a ♀ blk-headed Grosbeak. Stalked lots of Robins but couldn't get within 38 range. Also heard Hepatic Tanager in canyon & Scott's Oriole around camp. Nothing in 7 traps set for Sigmodon in runways. A.H.M. got pr. of Evening Grosbeaks & found bear droppings & signs. Leopold found a lion track in the bottom of the canyon. Skinned catch in time to write notes before dinner. Reset traps on canyon wall & 7 in grassy runway. Then set 4 more traps for Neotoma & 26 traps in bunch

LIDICKER

1959

grass + ^{small} white oak about $\frac{1}{3}$ way down canyon slope. Saw 1 small mouse running through grass. Got back to presidio at dusk; Ward + Starker had strung 2 bait nets along side of the presidio. I shot 1 ♀ Eptesicus fuscus (1 shot).

June 20

Checked traps + picked up traps on rocky edge, leaving 5 Neotoma sets. Catch: Peromyscus boylii ^{poloni} (?) - 2
Peromyscus ^{boylii} ~~undulatus~~ - 4
Reithrodontomys neglectus - 1

(in trap near where I had seen small mouse run into before)
Neotoma mexicana - 2

Shot 1 Turdus migratorius (♀ with brood pouch).

Saw a cottontail among yuccas on top of ridge, but wasn't able to get a shot at it. In canyon watched pair of Empidonax fulvifrons + pair of Brown headed Cowbirds, + layed out trapline of 26 traps in Ceanothus thicket in bottom of canyon (did not bait traps). Also set 3 more Neotoma traps along rock outcrops on upper edge of canyon. Skinned catch + Eptesicus from last night. Ward + Starker found fresh lion sign in the canyon + made 4 steel sets for them. Nothing was caught in other steels. Ward shot a Trogon elegans + Starker got a zoned - trogon. RHM shot at, but didn't get another turkey, but got Canyon Wren + saw W.H.S. wift. Both Stark + Ward saw badger sign. After dinner went back to

caly. ♀ hummer
 white spot behind
 el. decurved bill
 climbing out of
 canyon.

LIDICKER
1959

+ 4 traps for
Sigmodon runs
burrows, etc.
in grassy areas.

canyon to bait traps. Shot a Sylvilagus floridanus (WZL #1845) in bottom of canyon. Heard Whip-poor-will & saw & heard Poor-wills. Had trap snap, but didn't catch anything. Shot a large bat which was flying high down the canyon (prob. Eptesicus), but it circled down into some trees & I lost it. Saw several more. AAM shot an Eptesicus in canyon at about same time. He also got a Flammulated Screech Owl & a Com. Screech Owl.

June 21

Nothing in steel sets, but Ward & Staker had a bobcat apparently steal the bait (sardines) from their first lion set. Caught 1 Reithro in small brush pile in bunch grass along slope & 3 Peromyscus boylii (?) in Ceanothus thickets in bottom of canyon. Saw a Sylvilagus floridanus, & sev. chipmunks, & a Citellus variegatus. Also saw Blk. Lined Doves, Solitary Vireo, Scissor-tail'd Chickadee, Hepatic Tanager, etc. After getting back to camp skinned Reithro & then about 0915 Dave, George, & I took truck & went for water at Sanchez's well. Saw 4 Citellus spilosoma but couldn't get any. Shot 8 Horned Larks (I took 3) & saw many more. After lunch skinned catch. After dinner rebaited 26 traps in Ceanothus thicket in canyon bottom, also 4 Sigmodon traps near canyon rim & 5 Neotoma sets. Set 30 mus. spec. in bunch grass along canyon wall, 1 more Neotoma set along rock outcropping & 5 Neotoma sets

DICKER

1959

in yucca thickets on crest just S of canyon. While in canyon in AM. saw sev. lion tracks along trail looking W. Also smelled skunk along canyon wall. On trail back to camp saw fresh deer tracks & what was probably skunk tracks.

June 22

Caught only 3 Neotoma in traps (#1850 from yucca clump, & other 2 from rock outcroppings along canyon). Spotted a pair of Mearns' Quail & stalked them part way up side of canyon & then shot ♀. She had 2 Scarabeids & sev. ants & 1 piece of root in her crop. She had recently layed an egg & had sev. large follicles. Neither bird made any calls. Also got a good look at a W.-sided Hummingbird, but wasn't able to collect it. Caught a Bewick's Wren in one of the house traps in the Ceanothus. Picked up traps in Ceanothus thickets in bottom of canyon & laid out new line of 28 along bottom of canyon in brush piles, near old logs, etc.. Set 2 new Neotoma sets in yucca clumps (left out 4 old ones) & left out 2 Neotoma sets on canyon wall. Skinned quail, Bewick's Wren & Horned Lark from yesterday & 3 wood rats. AM got a pair of Lepus gairdneri & skinned one of them. After dinner baited new line of traps in bottom of canyon & moved last trap (a rat trap) which had been sprung twice by a C. variegatus up into brush zone line which was then 31. Rebaited Neotoma traps

LIDICKER
1959

11

After fixing up traps in AM, I made 2 steel sets (#1) for skunks along the canyon wall, using bird carcasses + $\frac{1}{2}$ a rabbit carcass for bait. Also set one new rat trap for Neotoma = rocks. On way back to camp at dusk saw sev. bats, a poor-will, + a pair of white-sided jacks around Presita. Finished skinning jack rabbit after dark.

June 23

Checked traps; caught 2 Neotoma albigula from yucca thicket sets - left out 4 untouched sets + made 1 new one. Caught nothing in bottom of canyon + only 1 Eutamias from brush grass line which I then picked up. Nothing in skunk sets or other Neotoma traps; also nothing in 4 Sigmodon - traps in grass. Set 2 gopher traps near yuccas S of canyon. Flushed 2 ♀ Mearns' Quail together - encircled. They gave "mewing" call as they flew away. This is the area where Ward had shot sev. ♂♂ + there may be 2 "widowed" ♀♀. Skinned catch, strung up 2 days of skulls to dry, + dug new garbage pit (with George). Had 3 brief showers around noon. After lunch, I went with Leopold + Ward to pack in a buck white-tail which Ward shot in the canyon near the cabin. After returning I skinned an Onychomys for Dave + caught up on note writing. Set steel trap (#1) for C. variegatus at end of new line in bottom of canyon in AM. Set out 10 mus. Spec. along dike at Presita in brush for



1959

Sigmodon, Renthus, etc. Saw one or 2 poorly marked mammals which were probably made by Sigmodon. After dinner set new line of traps (32 incl. 3 rats for Neotoma) along canyon wall - rocky outcrops. Had 1 Sigmodon minimus in trap of group of 4 - guess set ~~for~~ since June 20. ^(picked up these traps) It was in trap which had been sprung every evening for 3 days in a row, but never in morning; ~~was~~ also Sigmodon was still alive although caught by skull - so was very recently caught. This all suggests a late afternoon activity period. Rebaited 27 traps along canyon bottom. Steel trap at end of this line had been sprung & dragged & had small tuft of C. variegatus fur in it. I reset it also. Also set 4 Mus. spec. along cliffs & reset 2 old Neotoma sets. Did not visit Neotoma set next to skunk set. Saw pair of Mexican Quail - flushed from open grassy area. Checked traps new presents after dark; were lots of crickets but nothing else.

June 24

Caught 1 Peromyscus (boylii?) along canyon rim nothing in bottom; no wood rats from yucca thickets, no skunks. Picked up traps from canyon bottom. Picked up ~~to~~ all wood rat traps in yucca but 1 set new yesterday & made 5 new sets (total of 6 sets); also picked up rat trap near skunk set. Shot 1 Canyon Wren. Ward got a bobcat in one of his lion sets & a vulture in another. The bobcat had part of a Citellus variegatus & a Neotoma in his stomach. Skinned catch.

LIDICKER
1959

Miller shot a small rattlesnake (AHM# 11098) which was part way down a mouse hole. On removing a rock to get the snake he found a ~~mouse~~ ^{Peromyscus} staggering around which was apparently struck by the snake (behind the shoulder) which was waiting for it to die. I skinned the mouse (WZL# 1861). After lunch packed some specimens with AHM, as we didn't have any more drying room. Rebaited traps by presents & set 2 more (total 12). Shot ♂ Brown Towhee & skinned him. Set 6 gopher traps (4 sets) below presents. After dinner went with Starker & Dave several miles W to where main canyon & small canyon with presents by which we are camped meet & then walked about 1/4 mi. up main canyon to where Starker had seen fresh Sigmodon signs. We set 49 traps in this area. That evening we stayed but not along side of presents & finally caught 1 Myotis (long ears) & 1 Eptesicus fuscus. I did not go back to canyon to rebait traps.

June 25

Went to Sigmodon traps with Dave. Caught 2 Sigmodon minimus. Dave took off into mountains & I watched rifle eagle for a short while & shot 1 ♀ Scott Oriole; also saw a ♂. Saw ♂ broad-tailed hummer & also silent ♂ hummer with decurved bill & purple throat, no ear patch, green back, sl. reddish br. flanks. Set 2 gopher sets along canyon bottom. Starker then showed up & we drove back to camp. Saw sev. Sparrow Hawks in flight. When we returned to camp I took off for

Lucifer
Hummer
(see note June 28)

LIDICKER

1959

(June 25 cont.)

the canyon to check my traps there. Had a ♂ Citellus
variegatus in a #1 steel which I had set for him
yesterday am. Caught 1 Peromyscus (boylii?) along rock
wall near presita. Skinned catch (gave oriole to
ASL) + Eptesicus from last night. Went with George
about 1530 to get water at ~~Sta~~ Sanchez' Hacienda.
We saw sev. C. spilosoma but wasn't able to get
any. Also saw alot of N. Raven around a dead cow,
+ a Shrike. Rebaited Sigmodon traps + checked
gopher sets at "confluence". Had 1 Sigmodon which
must have been in trap all day as was already
slipping; also had 2 gophers. Got back to camp
about 1830. After dinner walked to canyon + rebaited
36 traps along Canyon wall rock outcroppings + made 2
new Neotoma sets. Set 18 traps on ridge S of
canyon in oak-piñon-yucca-woods. Left 2 Neotoma
sets out there (1 set trap was missing in the morning +
was never found). Made 3 Neotoma sets in yucca
about $\frac{2}{3}$ of way back to camp. After returning to
presita helped Stoker + Arton ~~catch~~ net bats
by working out in the mud to pick up those which
hit the net + fell into the water. Only 2 Eptesicus
hit the net + stayed in long enough for us to
retrieve them. Caught total of 2 Perioteis (long-eared)
+ 6 Eptesicus. Was definitely some Perioteis species
also present + it seemed like a smaller species
as well. Got to bed about ~~#3~~ 2330. Was caught

1 ft Sceloporus
around Sigmodon
was + saw 1
other.



1957

15

a gray fox in one of his lion sets. I saw a pair of
 meadow Quail on ridge while returning to camp at dusk.

June 26

Took truck & picked up Sigurdson traps & gopher traps at "confluence". Catch: nada. Returned to camp & walked to canyon. Both skunk sets had been set off but caught nothing. One had been dragged the full length of the chain. Caught 2 Peromyscus along rock outcroppings in canyon (#1872 + 1873). #1873 was caught in a wood rat set. Had 3 more Peromyscus in traps on ridge & 1 in one of wood rats sets near to camp. Picked up all traps. Nothing in traps near presita & nothing in gopher traps below presita. Ward had alectating ♀ Oreophites nephitis in steel trap set for bobcat near camp. Skinned catch & bats from last night. At dusk went down to presita to shoot bats but couldn't get any. 3+ signs seen.

June 27

Packed up camp & left at about 0930. Ward caught a bobcat in a #3 trap by presita. It had dragged trap & large rock lay completely through the pad & was a muddy, exhausted mess when we found it. Got gas in nearby town - Colonia Santa Clara & headed back through Santa Clara Canyon toward Chihuahua. At crest of canyon saw two white-tailed deer. Shortly after this we began seeing C. variegatus & chipmunks. Stopped in village of La Varas to tell commissario

DICKER

1959

16.

what we ~~was~~ were doing & then continued to within about $\frac{1}{2}$ mi. of the canyon mouth & set up camp against the E cliffs where we found a small water hole. Set out 66 traps in Apache pine thickets & willow thickets with some open areas. Camp is about 7.8 mi. by road E of La Vaca (5 mi. N Cerro Campana, 5600 ft., Chihuahua, Mexico). At dusk saw quite a few Pipistrellus hesperus. I shot 1, Starker shot 1, & Dave got 1. ~~Hit~~ Hit sock about 2115.

June 28

Ran traps. Had only 1 Peromyscus maniculatus blairi, although many traps were sprung. Saw coyote track & small tracks of what was probably Basorisorex which had dug into a gopher mound - the gopher re-plugging the hole. Skinned maniculatus & Pipistrellus & then set 12 gopher sets (20 traps). At AM got a pair of ~~Red~~ Lucifer Hummingbirds, a ♀ Orchard Oriole & a ♂ Hooded Oriole. After seeing the ♂ Lucifer I feel sure that the hummer I saw on June 25 at the Synonym-trapping area was also a Lucifer. After skinning catch & pipistrelles from last night, I skinned a curve-billed thrasher which Starker shot & then ran my gopher traps. Had 2 gophers; skinned these. Set out 35 traps along rock canyon wall near camp & a few in grassy area above the river. Had a light rain through much of late afternoon. Rebuilt the line of 66 traps in Apache pine, etc. & set four more rat traps for dips. At dusk shot 1 Pipistrellus.

LIDICKER
1959

+ George shot 1. We also saw sev. bats which might have been Myotis + sev large - straight fliers which might have been Eptesicus or Antrozous. It rained lightly most of night.

June 29

Got up by 0530. Ran traps + picked up one: Apache Plum, etc. Cat d: on flat (66 traps + 4)

Dipodomys ordii - 1

Onychomys torridus - 1

along canyon wall: 2 Peromyscus sp. in adjacent traps about $\frac{1}{2}$ way up wall (#s 1895 + 1896).

in grass above rim: 1 Rhithodactylus which had been partially eaten by a whip scorpion. ~~Skinned~~

~~Also~~ Also got 1 gopher in gopher sets. Skinned catch. Miller got a Sylvilagus below camp + I skinned this. Heavy rain - late afternoon, into evening.

Set 35 traps in brush along levee near camp + reset 35 traps on canyon wall (moved 1). Reset 2 rat traps in flat set for Dipos + set 2 more. Caught another gopher + skinned that. Heard spadefoots calling after dark + went out hunting them. Caught 3 Bufo sp. Others got a total of 4 Scaphiopus. Was partly cloudy, but didn't rain during nite from about ²²⁰⁰ on.

June 30

Caught another Bufo sp. in camp. Had nothing in traps on levee or in flat. Got 2 Peromyscus (boylii?) along canyon wall. No more gophers. Took up 1 set which

LIDICKER

1959

didn't look too good, leaving 7 out. Prepared traps & skinned catch. After lunch Starter took Miller into Chihuahua so he can catch a plane tomorrow for Berkeley. George went with them. I set out 7 new gopher sets + 3 small-steels for C. variegatus.

Set out 46 traps on gravelly slope above camp with grass & small oaks. Checked gopher traps & steels.

Also saw 1 Perognathus but didn't get it. Heard a Bufo call briefly.

Hzd 1 gopher + 1 C. variegatus. Reset 35 traps on levee + 3 rat traps on flat. Reset 3 rat traps in new locations for dipos. ^{only 1 eight shaver} ~~As soon~~ ^{burn}, night.

~~gopher~~ Caught a small Uta on a rock along canyon wall while setting traps. Saw 25 uloporus in camp during afternoon. Ward got 1 with his sling shot & the other got away. Set 1 new gopher set at lunch.

July 1

Catch: 1 Perognathus (Chaetophis) along levee + 1 other on grass-oak flat which was hot & badly ant-eaten & with a broken tail - so discarded. Picked up all remaining sets of my original gopher sets & checked new sets; led 3 more gophers leaving 4 sets out. Also caught an ad. ♀ Onychomys in 1 gopher set. It was caught by the skin on the ventral side of the rock & was alive. Shot a ♂ Hepatic Tanager. Skinned animals & led about 1 1/8" of rain in afternoon. Heard a Bufo call shortly thereafter (~1630). Ward had set out a trap line

LIDICKER

1959

renew the mouth of the canyon & got 1 Bufo, 1 Plethodon, 1 Signatus, 1 Perognathus flavus, & 2 D. ordii. Had more heavy rain in early evening. Caught 3 Bufo after dark, one in tent, & Ward caught a Scaphiopus. Set out 37 traps in grassy & brushy area about $\frac{1}{4}$ mi down canyon. This included 4 rat traps set for Signatus in fresh-looking runs. Rebaited 46 traps in grass & oak above camp & rebaited 5 rat traps around camp for Lepus. Also got a large ♀ Citellus variegatus in steel trap set along levee. Was small amt. of rain ~~in~~ during night.

July 2

Had only 1 Signatus minimus in ³⁷ traps down canyon; nothing in traps in oak-grass. Ran gopher sets & had no gophers; picked up 2 of the 4 sets & made a new set.

Apparently the rain had stimulated the gophers around camp & nearer to the arroyo to work on their burrows as there was alot of fresh gopher mounds around camp. Ward made 8 sets & caught 7 gophers in short order. He also got 3 Signatus in his trap down the canyon.

I caught a gopher in my new set. When we were eating breakfast a Yellowthroat was singing near camp & Ward finally shot it. Caught a Thamnopis along the edge of the arroyo while eating breakfast. Skinned animals. About 1430 Starker & George arrived back in camp from their 2 day jaunt into Chihuahua City. Set another steel trap along the levee at the mouth



1959

20

of a C. variegatus burrow. Picked up 46 traps in grass
oak & rebaited 37 down canyon. After dinner, Storer,
Ward, George & myself drove about $1\frac{3}{4}$ mi. down
the canyon to beyond its mouth & set traps. I set
50 in Opuntia-thickets, open areas, & brushy areas.
After dark caught 3 Bufo around camp & saw
many more. Caught 2 individuals of what ~~is~~ is
probably Eleutherodactylus. They were calling mainly
from cliffs above our water hole, but a few moved down
to ponds. I got 1 by sitting close to where I was
calling & holding a Bufo in my hand which was
calling away & apparently stimulated the other to
call. The second one called from the edge of the
small pond at the base of the cliff. Others got 3
more. Ward shot a Otus trichopsis after dark.

Shot a
Sylvilagus
while setting traps.

July 3
~~Ward~~

Ran trap lines. In 50 traps below canyon mouth I had

Dipodomys merriami - 1

Peromyscus maniculatus - 3 (1 discarded)

Reithrodontomys (pulverescens?) - 1

" sp. - 1

Neotoma lepida - 1 (in Mus. Spec.)

Nothing in line below camp (39 traps) & nothing in steel
or 2 remaining gopher sets which were picked up. Also
nothing in 5 rat traps set around camp - 3 of these
picked up. Ward got Perognathus hispidus - 1 in

LIDICKER
1959

21

each of his lines & also 2 species of Perithous down below, & also 1 individual of another Perognathus (Chaetodipus) I skinned my catch + a D. ordii caught by Leopold, several Perognathus & dipos of Ward, 1 Sigmodon + 1 P. maniculatus. In addition Starker ~~threw~~ away 2 P. flavus + Ward threw away about 4 P. maniculatus + a yg. Sigmodon. Skinned most of day. After dinner Ward, Dave + I went about 3 mi. toward the aduana to set traps. This is within a mile + $\frac{1}{2}$ of the aduana. We estimated the elevation at 5350 ft. I set 49 traps spacing them quite widely apart. Heard sev. Meadowlarks, + a Night Hawk. Saw sev. Spizellus at dusk. Heard sev. of the Eleutherodactylus? in pond by camp + 3 were caught. Checked Ward's gopher set new camp (July 2) + ^{it} had a gopher in it. No rain during night.

July 4

Picked up traps near aduana (5350 ft.). I caught only 1 Peromyscus maniculatus - few & discarded

1 Perognathus flavus - skull crushed so discarded

1 yg. Sigmodon virgatus. Many traps were sprung. Ward got among other things 1 Perognathus hispidus, sev. D. merriami, a Neotoma, 1 D. spectabilis, sev. yg. Onychomys + 1 ad., + sev. Peromyscus maniculatus + ~~several~~ several Sigmodon. Dave also had 2 D. merriami, 2 Sigmodon, sev. P. maniculatus

1959

(July 4 cont.)

+ a Reithrodontomys (larger species) - which was badly eaten + so was discarded. We saw sev. Scaled Quail on way down + Ward shot 1. On way back we chased a brood of about 10 yg. quail (2 or 3 days old) + caught one. I shot an Amphispiza bilineata along trapline. A number of ♂♂ were singing + had flight songs. The song had a 2 part ending. I caught nothing in 2 rat traps around camp - picked them up. Had a ♂ Citellus variegatus in steel trap set at burrow along levee. Skinned catch. Dave shot a ♂ red-eyed Cowbird in camp. + Starker saw a Yellow-billed Cuckoo go ~~through~~ camp in early morning. We had a moderately heavy rain in the afternoon. Yesterday we talked to a vaquero who works for the fellow who owns the land we were camped on. He told us there were lots of beavers in the mountains + that they lost 50 cows a year to wolves. He also said there were porcupines in the higher parts of the mountains. This agrees with the statement of our neighbor who reported that his dog had found a porcupine recently up one of the nearby canyons. Song of Amphispiza mentioned above agrees perfectly with Peterson's description of the song of A. cassinii. Set one gopher set near camp. Caught a mud turtle (Kinosternon) in small pond at base of cliffs behind camp. After dinner Dave + I drove down to about 1 mi. of the adnara sta. on the main rd. to set traps. We set 5 ~~Schryber~~ Schryber traps

DICKER

1959

at *Spectabilis* mounds along the road. Then I set 44 traps - insert spacing traps well & Dave set 46. We saw a Blk. H. Jack rabbit while setting traps. Ward had seen another early in morning while we were picking up traps. On way back to camp, Dave & I saw a small animal run across the road which we thought might have been a *Bassaris*.

July 5

checked traps: We had 2 *Neotoma* (*lepidus*?) + 1 *Onychomys* in the 5 *Schylers*. We also found a *D. spectabilis* DOR which was in good condition. In my traps I had 2 *P. maniculatus*, 1 *Onychomys*, 1 *D. ordii*, + 1 *Perognathus flavus*. Dave had 1 *Rhynchotomys* (large sp.), 1 *Perognathus hispidus*, 1 *P. maniculatus*, 1 *Onychomys*, 1 *Sigmodon* + a *Neotoma* (*lepidus*) caught in a *spectabilis* mound. This makes a total of 4 of the *Neotoma* which we took from *spectabilis* mounds with no sign of a "wood-nut-nest". Shot another *Amphispiza* along trap line + a juv. horned lark. On way back to camp we stopped to look for tracks at the spot where we had seen the *Bassaris*-like animal last night. Could find nothing suggestive. My gopher set was plugged again (also last night). Skinned animals. Rechecked gopher set in late afternoon + finally had gopher. Also shot a *Eutamias*.

LIDICKER
1959

dorsalis from cliffs behind camp. This ♂ seems to have more rusty color along flanks + around base of tail than those from Cañon del Plamo. Skinned chipmunk + gopher. After dinner set 44 traps about 1 mi below camp in fairly open grass + gravelly places (25) + the rest in thicker grass + brush. Saw sev. pipistrells at dusk + also a number of larger bats which made continual loud chipping calls. Stuber says he saw a Sylvilagus floridanus high up in canyon to S. of us which heads toward Cerro Campana.

July 6

Picked up trap-line. Catch: Sigmodon minimus - 2, Perognathus flavus - 2, Perognathus hispidus - 2, Peromyscus maniculatus - 1, Dipodomys ordii - 2, + Baromys taylori - 1. The Baromys was along ^{the ridge of} a slight ridge which had some rocks + low shrubs plus grass. Skinned catch plus a P. flavus caught by Dave. Ward caught a Citellus variegatus in one of his steel traps + I also skinned that. George discovered a live Tadarida which had gotten tangled in the bat net which we left strung over the small pond at the base of the cliff behind camp. Stuber + Dave went into Chihuahua for fungicide + groceries. We are having trouble with carrion beetles + dermestids in the specimens. After dinner I set 45 traps along the cliff below camp. It was quite moist + shady along this slope + their

LIDICKER
1959

was shot of Rhus sp., Vitex, + nettle as well as
oak trees. I also set 1 trap at a dip hole near
the stream. Did some bat-shooting along the base
of the cliff. I saw some Myotis-sized bats, as well
as Pipistrellus, but only succeeded in wounding one of
them.

July?

Caught only 5 Peromyscus (boylii?) in my trap-
line. Skinned these. After lunch walked sev. miles up
canyon to S of camp (toward Cerro Campana) to check sev.
small caves for bats. The caves were both small + had no
bats nor any bat signs. Was considerable wood rat
sign, however (N. mexicanus?). The walk up the canyon is
through continuous encinal. Saw sev. ~~bird~~ cat chers (shot
1), Blk. headed Grosbeak-abund., Bush-tit, Ladder-bl.
Woodpecker, W. Pewee, Mex. Jays, Curve bl. Thrasher, +
Brown Towhee. Also saw a Sylviolagus about $\frac{1}{2}$ mi
up from mouth of canyon which looked like S. floridanus.
This is about the area where Starker saw a cottontail
which he thought was floridanus. At mouth of canyon
I saw + shot a Dendroica nigrescens. Were also sev.
Mockingbirds + Curve bl. Thrashers around the same
area. Skinned 2 birds before dinner. After dinner
I set 50 traps on rocky slope NE of camp for
Perognathus. There was also a small unit. of Neotoma
signs under some large boulders. Caught a Thomomys

DICKER

1959

on way to set traps. Tried to shoot bats at dusk but didn't get any. Actually saw very few - no pipistrelles.

July 8

Catch: Peromyscus maniculatus - 1 juv. (dissected)

Peromyscus eremicus - 1

Peromyscus sp. (prob. eremicus) - 1

Perognathus - 8 + 1 tail (1 dissected)

Reithrodontomys - 1

Skinned catch. Colby Hatell, Ned Johnson, & Bill Hamilton arrived - camp about 1330. After unloading their gear, I made 3 gopher sets. After dinner I set out 48 traps across the canyon (W. side) among rocks in a side canyon & also on a small rocky ridge. There was a small amt. of Neotoma sign but nothing fresh. Saw a ~~large~~ large rattlesnake which was brown (tan) with black rings around it, & it got slightly paler caudally. It crawled among some rocks before I could shoot it. Afterward I helped Dave set 24 traps directly E of camp near the 5 cliffs. I shot a small rattlesnake (less than $\frac{1}{3}$ the size of one described above) which looked like the one seen above. Saw very few bats in evening; didn't even get a shot at 1. Saw 2 large & straight flyers & 1 Myotis-sized one. Ned shot an Antrozous pallidus which must be what the large-straight flying

LIDICKER

1959

27

species is. Heard 2^d. Horned Owl & as usual Poor-wills. Was very hot night with 2 showers.

July 9

Catch: Perognathus sp. - 3 + 1 tail. Skinned these & checked gopher traps. Had 1 gopher & another had plugged the burrow - reset traps. Skinned gopher & Ned's Antrozous. Heavy rain with winds after lunch. Stuber & Colby took 4 boxes of specimens to Chihuahua City to store with Baldwins (but ended up leaving them at The Santa Rita Hotel).

Preserved rattlesnake from last night & turtle caught July 4. Sorted equipment & food with Ward in preparation for splitting party. Colby shot a Syrrhaptes during AM & I skinned this. Picked up last evening 2 gopher sets & had another gopher. Dinner was delayed until about 2100 as Colby & Stuber didn't show up until then. Tried to shoot bats at dusk, but saw very few & didn't get any. Ned shot a pepistrellus. Skinned last gopher after dark. Didn't get to bed until ~ ²³¹⁵ ~~15~~.

July 10

Continued sorting & packing gear ~~up~~ after breakfast. Finally broke camp about 0915. Ned, Dave & I headed S for Aguascalientes. The others headed for Canyon Maestros in the NW part of the Sierra del Nido. We picked up a bull snake DOR on the way to Chihuahua. In Chihuahua we did some shopping &

LIDICKER

1959

stopped at the Baldwins for mail. We continued S about 1215 & had dinner in Hidalgo del Parral. 23 mi. by rd. N of La Resolana, Dgo., we saw a dead coyote along the road & about 5 or 6 hung on a fence nearby. 5 mi further we saw a Sylvilagus & 16 mi N of La Resolana (43 mi. N La Zarca) we saw a White-winged Dove. 6 mi. further we saw a pair of Scaled Quail. In this stretch (41 mi. N of La Zarca to La Zarca) we saw 7 blk. tailed jack rabbits, 4 cottontail Sylvilagus & sev. night hawks - which looked like the large species. We found another dead bull snake right near the La Zarca jct. but didn't preserve it since it was badly damaged. We got to Durango, Dgo., about ⁰⁰⁴⁵~~1245~~ & checked into a hotel (Mexico Courts).

July 11

We didn't wake up until about 1000. After breakfast & writing letters we continued S. 22 mi. N (by rd.) of Nombre de Dios we saw a Yellow backed blackbird. 7 mi. further a racer DOR which we picked up & preserved. 14 mi. N of Nombre de Dios there was a Citellus spilosoma DOR. 29 mi. N of the Tropic of Cancer (by rd.) we saw another Wh-winged Dove (in Zacatecas). We stopped in Fresnillo & had the truck greased & the oil changed. Then we bought a few things ^(groceries) in the mercado & had "lunch" - ~ 1630. Then continued S. Bought gas in Zacatecas. Luis Moya is ~ 2 mi. N of the Aguas Calientes border. Started keeping

LIDICKER
1959

29

(July 11 cont.)

a bird list as soon as we crossed the border: *

miles S of border

Belt-H. Grackle 1

Raven 1

Barn Swallow 1

Mourning Dove - 4 1

Los Adames is where the RR crosses the highway a little over 1 mi. S of the border.

Raven 3

town of Cosio 4

Shrike 4.8

Brown Towhee 7.5

Shrike 13

Belt-H. Grackle 13

We turned off just S of Rincon de Romos on the road to Tepetzalá. Around jct. we saw Cliff Swallows, Eng. Sparrows, + 1 ♂ Vermillion Flycatcher.

miles E of jct.:

Song's Phoebe 2

Bt.-H. Grackle 3

Barn Swallows 4.2

(in a small poblado)

sev. shrikes 6-9

Bt.-H. Grackle 9

town of Tepetzalá 10.2

Inca Dove 10.2

Blk tailed Jack 11

made camp about 2 mi. E of Tepetzalá + set

DICKER

1959

30
out 44 traps at dusk (including 1 Nestor set along arroyo wall). Saw no bats. Ned & Dave heard Poor-wills. Had snack & then caught up on notes. Traps set on open gravelly slopes with cholla, beaver-tail cacti, Acacia, etc. Started raining about 2300. Ned ran his trap line after dark & took 3 Peromyscus.

July 12

Catch: Peromyscus eremicus - 2 (1 discarded)

P. maniculatus - 1

Nestor - 1 (along rock wall of arroyo)

Perognathus velsoni - 4

Onychomys torridus - 1

After a quick breakfast, Dave & I explored up the road to the E farther for a new campsite. We then moved camp to ~ 3 mi. E of Tepic; elevation estimated at 7700 ft. This camp is on the north side of the main peak of this range of mts, almost directly N of San Pedro de Colón. There is another major peak to the N of us which is probably Cerro Altamira. We are on the W side of the saddle between these 2 peaks. There are a lot of old mine shafts along the base of the peak to the south of us. Set up camp & then skinned catch. Ned & I shot a juv. Verreaux at lower camp. Birds seen around new camp include Ravens, Cactus Wren, Curve-billed Thrasher & Say's Phoebe.

LIDICKER
1959

Journal

(July 12 cont.)

Set out 47 traps on open gravelly slopes & in catclaw thickets before dinner. Met a vaquero who was looking for cows & he confirmed that the peak to the N of us is Cerro Altamira, & he said the peak just S of us is called Cerro San Juan. This is the one on which San Pedro de Colbre is perched. Set out 20 more traps along small canyon near camp in brushy areas. Saw a Lepus californicus. Ned also saw a Lepus & a Sylvilagus. Watched for bats at the entrance to sev. mine shafts near small canyon near camp. While setting 20 traps above I looked down a vertical shaft & saw a small bat circling in it. At dusk sev. bats came out of one mine & circled briefly in the depression between 2 shafts which had several mesquites growing in them. I shot 1 Myotis from this group. I didn't see any bats which looked different from this species. It was too windy & raining for bats to do much flying about. There was a hard rain shower in mid afternoon & light showers intermittently into the evening. Dave smelled a skunk while checking some of his traps after dark. There was ~~no~~ apparently no heavy rains during night, but it was quite windy.

~~July 12~~ Dave & I strung a small bat net over ~~the~~ the vertical mine shaft in which I had seen a bat flying after dark. Skinned the myotis white Ned skinned some birds.

July 13

Catch: (Picked up all traps)



1959

Journal

32

(July 13 cont.)

Perognathus - 6 (1 did not have any strong spine on rump, but too rotten + ant-eaten to save so kept as skull only; another was browner + smaller than Nelsoni)

Onychomys torridus - 2 (1 juv. discarded)

Peromyscus maniculatus - 1 (discarded)

Reithrodontomys - 2

Dipodomys merriami - 1 (had sev. pieces of a mesquite leaf in ore pouch).

Peromyscus eremicus - 2

Peromyscus (boylii)? - 1

Peromyscus difficilis? - 2

Peromyscus melanophrys - 6 (1 juv. discarded)

Neotoma - 1 (caught in a prickly pear clump which had no sign of a house but sev. places which looked like large runways).

Dave smelled a skunk again when he ran his trapline which he left out. Skinned catch. This took until about 1900. Ned saw a Sylvilagus again in evening. Got very windy about 1900. Set out 48 traps - mainly for Perognathus on open gravelly slopes. Made 3 Neotoma sets - 1 by house piled in small abortive mine shaft, + 2 others ~~in~~ in clumps of shrubs with no visible houses. No gopher sign seen in this area at all. Ned set his traps about 1 mi. NW of camp + found sev. small pools in a canyon. Around the pools were tracks which he took to be goat + skunk. Watched for bats in small canyon E

LIDICKER
1959

of camp & around mine entrances, but it was very windy & I saw none. Had dinner after dark.

A pair of Ravens apparently resting on cliffs of Cerro San Juan above camp. Saw Inca Dove around camp. Ned shot 2 Broad-billed Hummingbirds, & a Centurus, - ladder-backed woodpecker, brown towhee, 2 cactus wrens, etc. Rained very little if any during night.

July 14

Picked up all traps. Catch: Neotoma - 1 (in set with house - mine shaft), Perognathus - 1, Peromyscus boylii - 7, Peromyscus maniculatus - 4 (1 juv. released), Peromyscus eremicus - 1, Reithrodontomys - 1. Shot a lact. ♀ Lepus californicus. Skinned catch & then explored a number of old mines in the area with Dave. Found a pair of large Peromyscus in 1 shaft (shot 1: # 2040) & saw several more nests of Peromyscus. We saw no bats or bat sign although some of the mines we explored were quite intricate. Ned shot a Sagittarius. Were several rain showers around noon.

After a late lunch we packed our gear & headed back for the valley. About $\frac{1}{2}$ mi. E of San Antonio we noticed a good gravel N-S road. The Rio San Pedro runs along the W side of San Antonio & it is bordered by numerous cottonwoods. We turned N at the R. & followed it back for about $\frac{1}{2}$ mile where we camped in a grove of large cottonwood. Beneath the

L. DICKER
1959

24
trees there is a very lush scrubby vegetation. I set 20 traps ~~also~~ in the brush along the river edge (the river is dry except for occasional pools) + 15 traps in thick brush back from the River bed. While we were setting up camp (before dark) we noticed quite a few large Signodon moving around through the brush. I set 3 rat traps + a Schyler for them, + Dave + Ned also set a number of traps for them. At dark there was a brief flight of about half-dozen Myotis velifer + Dave shot 1. After dark other bats were heard. Ned shot a screech owl. Dave set 3 steel sets for skunk, 1 by a burrow (he also smelled a skunk + found several skunk droppings). Saw Black cr. night heron fly over in evening. Were many boat tailed Grackles around camp + Inca Dove. There was also a pair of Ravens which acted as if they were resting in one of the trees near camp. Had heavy rain during night. Heard Barn Owl after dark.

July 15

Catch: Baomys - 1, Peromyscus maniculatus - 2, + Mus musculus - about 5. Dave got 1 yg. Signodon hispidus + a Reithrodontomys. The large Signodon seem to be trap wary or uninterested in the bait (oatsmeal + peanut butter) as they were often heard around the traps, but didn't go into them. Saw 2 more night herons which sounded like Black-crowns. Skinned animals + broke camp about noon. Headed for Aguascalientes. No gopher signs at all seen at this camp. Arrived: Aguascalientes

DICKER
1959

Journal

(July 15 cont.)

about 1300. Went to banco, post office, & bought supplies & had lunch at the Hotel ^{Paris} ~~Café~~ (N side of Plaza central). Left town & headed back N about 1630. Rained most of way into town. About 20 mi. N of town (Pabellón) we turned W on paved road toward Presa Calle. The valley floor is mostly milpas. About 3 mi. from turnoff the road begins to climb. The vegetation here is mostly beavertail & mesquite. A mile farther there is a turnoff to S to Presa Jocque, & 2 miles beyond this another turnoff to N to Presa Pabellón. This is near the top of the first ridge. 6 mi. from the turnoff the road comes to a town on the shore of Presa Calle. This is apparently Colonia Presidente Calle. This is where the paved road ends & the dirt trail begins. About 1 mi. N of town (by rd.) I shot a lizard (#2052). The road skirts the N side of the Presa & then heads W. 2 miles N of town (by rd.) we saw Horned Larks, & 4 mi. beyond Curve-billed Thrasher & 2 Brown Towhees. 6 mi. beyond the town we came to a river with a small settlement along it. Here we saw a large Sigmodon, under a culvert. I shot at him at a distance & missed, & he ran into a hole, but I ran up to him & got a good look before he disappeared. He seemed quite yellowish. We also saw a pale looking cottontail here & a Curve-billed Thrasher. Near the R. we saw a Black Phoebe, & Ned saw fish in the river. Just before the River we shot a young cottontail which looked the same as the one seen earlier by the culvert (N.K.J.#1258 - 5 mi.

LIDICKER
1959

Journal

(July 15 cont.)

W NW Colonia Presidente Calles). This town is W of
Pres. Calle & quite a bit higher. The road goes somewhat
S out of town & then turns back W. About 1 mi. beyond
the R. we saw about 10 Lark Sparrows & just a little
further we came to a larger settlement where the road
takes a ~~rt.~~ & turn to the south (left). About 1 mi. down
the road we saw an Dove & $1\frac{1}{2}$ mi. from this town
another Sylvilagus. 3 mi from town we heard a W.
Oreochelone. About 4 mi. above this town (by rd.) - 11 mi.
from Col. Pres. Calles & 17 mi. from turnoff from highway -
we stopped to camp. This is an area of rolling hills
covered with grass with a few scattered oaks. This is
at the base of the second major ridge which lies directly
to the W. There is a fairly large canyon to the N with
bouldery walls, etc. In some places there is patches of fairly
thick growth of some willow-like shrub. We saw a
number of large Sceloporus (torquatus group) along stone
walls. I set 10 traps along a stone wall (there was
a small amt. of Neotoma signs). 30 traps in open
grassland, & 19 traps in shrubby & somewhat rocky area
with patches of beavertail, etc. Dave set the canyon wall
& also the stone wall. Ned set in the willow-like vegetation
as well as further down the canyon. We saw ^{at least} a few
bats at dusk & after dark, but couldn't get any. Heard
a number of frogs calling which sounded like some
leptodactylid. They were calling from the canyon walls
& bottom. Ned caught 4 & Dave got 1 in morning.



LIDICKER

1959

Journal

Heavy rain during night. Heard Poor-will.

July 16

Catch: Peromyscus (boylii ?) - 5 + Bairdomy - 1.

While setting traps in evening I shot a yg. cottontail + Dave got an adult ♀. We skinned catch, had lunch + left about 1400. Saw sev. Ravens around camp.

Nothing was caught in the grassland. The Peromyscus ~~was~~ were in the stone wall, in the brushy areas + in beaver tail clumps. The Bairdomy was ~~in the~~ along the stone wall also, but there was a brushy border. One rat trap set in the stone wall was sprung + dragged about 3 ft. We chatted with a goat herder who lives nearby + he said there are jack rabbits with white tails in the area. He also said he knew of only 1 kind of skunk around. In the mountains he said there were coyotes, leones, gatos montes, mapaches, venados, lobos ^{zorros}, but no osos. He also had never heard of a chichinoco. Shortly beyond camp we began to climb a very steep slope which is the 2nd major ridge (You can see Presa Calle off to the E from this camp). Mangaritos begin at the base of this ridge. The crest is about 2 miles beyond our camp. The road then enters a meadow with oak, mangaritos, etc. Here we saw Bluebird (looked like eastern) + lark sparrows. Two miles from the crest the road comes to a small town - La Congoja - which has a TV-like antenna tower, over it. Just E of town we saw

LIDICKER
1959

(July 16 cont.)

first gopher mounds. These were along the edge of a cultivated field & were the first gopher mounds we had seen in the state this trip. Just W of town we saw more Lake Sparrows & a Scrub jay (back seen well). 2 miles beyond La Congoja we shot a Mex. jay. This an area of rolling hills covered with oak-mangrove woodland & eventually a lot of Juniperus. About 3 miles beyond the village we recorded Mex. juncos, Broad-tailed Hummer, Raven, & Robin. In another mile the road cuts N + ~~W~~ little E & winds down into a canyon which has a house & a milpa at the bottom. Here we saw ~~several~~ ^{several} Lesser Goldfinch & Ned saw a Citellus variegatus (this last was 5 miles beyond La Congoja). The climb back out of this canyon & continues westward. A few miles farther we began to see a few pines, & 9 miles beyond La Congoja we came to a fork in the road. About here we heard a Broad-tailed Hummer. The left fork leads westwardly across a large low meadow & up the side of a ridge. The right goes northwardly to a fancy house on the side of a canyon which seems to flow to the west. According to sev. fellows working around the house it belongs to some gobierno. They said we were between Cerro del Jaque & Cerro de Ardilla, but closer to the former. We continued about another mile & a half when the road detours out to a trail which goes up to the edge of a large barranca - which seems to run N + S. We looked around for a suitable camp site;

LIDICKER
1959

Journal

(July 16 cont.)

Dave + Ned saw a ♂ meadow Quail + Ned collected a large Sceloporus. There were almost no pine in this area so we turned around + returned to the fork mentioned above + took the road to the west (through a gate). We continued up the ridge on the far side of the meadow, over the crest + down the other side. This crest seems to be the main divide; all the hills to the west seemed to be lower with the exception of 2 peaks immediately to our left which we took to be Cerro del Jaque - or something nearby to it. We continued about 3 miles down this road which descends considerably + winds through manganita thickets. Since the road was almost petering out, + since it was late + this seemed to be getting no warmer, we turned around + returned to a small canyon on the east side of this ridge which has a stream which seems semi-permanent.

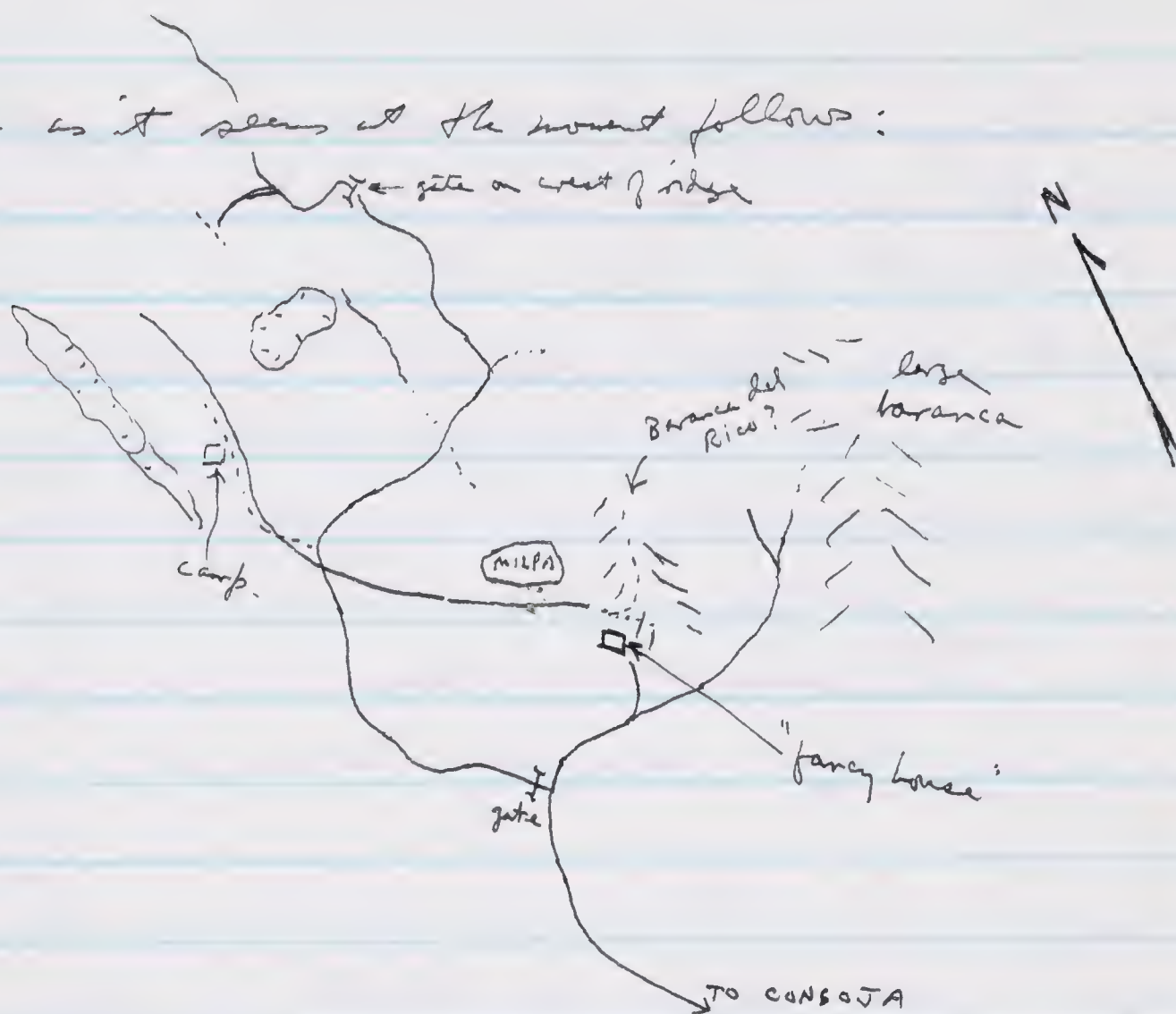
We made camp here about 1830. While at the fancy house I saw a cottontail + a white-eared hummer. After setting up camp, I set out 23 traps in bunch grass along the stream from camp + 13 traps on the slope above camp among rocks, under bushes, + around old stone foundations of old houses. Rain in evening + during night. Started catching animals as soon as we set them out. Saw a few large bats at dusk (look like Eptesicus) but weren't able to get any. A sketch of our camp

we were
making camp we
saw a large Sigmodon
running through
bunch grass.

LIDICKER
1959

Journal

area as it seems at the moment follows:



July 17

Neotoma - 2 (in same trap - bunch grass - 1 juv. was ^{about 5 ft. from small} ^{grasses} caught within a few minutes after trap was set)

Peromyscus boylii - 2 (on grassy slope under small trees)

Raiithodontomys - 2 (1 on rocky outcrop behind camp near grass + 1 in bunch grass)

Sigmodon leucotis - 2 (1 on grassy slope; also saw an adult run from trap with young in it; other was from bunch grass)

Peromyscus difficilis - 17 (everywhere including bunch grass)

Sciurops = (Ned got a Sciurops poliopterus up the creek from camp in an oak tree. Picked up traps on slope above camp, but left out those in bunch grass. Caught 2 more Sigmodon during day. Skinned most of day. Rain most of

LIDICKER
1959

Journal

afternoon, light rain intermittently in evening. Birds seen around camp include: Striped Sparrow, Vireos with eye ring & wing bars, Curve bl. Thrasher, Mex. juncos, Bluebird. As dusk set out 21 traps on rocky slope down ~~camp~~ ^{stream} from camp. Checked traps about 2300. As dusk saw a number of Eptesicus & Dave shot one. Also seemed to be a few smaller bats around. Wrote notes in evening. About 2330 sev. small bats were seen ^(by moonlight) flying around a tree by the stream & Ned shot 1 Myotis velifer.

July 18
~~Journal~~

Picked up all traps except 4 rat traps in the bunch grass which I rebaited with raisins. Made 3 gopher sets. Catch: bunch grass - Reithrodontomys - 1
Peromyscus difficilis - 1

rock outcrops - Neotoma - 2 yg.

Peromyscus sp. (mamillatus or melanotis -
→ unidentified frog like) - 1
P. difficilis - 9

Took walk out into main valley below camp & back up on hill to ENE of camp. Birds seen include:

Striped Sparrow, W. Bluebird, Scrub Jay, Least Goldfinch, Blk. headed Grosbeak, Violet-gr. Swallows, Spotted Towhees, Robins, Broad H. Hummer, White-eared Hummer, Bewick's Wren, ~~Spizella~~ Spizella fulvifrons, Cassin's Kingbird, Buff-breasted House Wren, same Vireos seen yesterday, Mex. Jay (around camp), Flickers (abund.), Mex. juncos (abund.). I also flushed a caprimulgid from a scrub oak thicket which was pale brown, had white in tail but no white in wings. Bush tits around camp. Lots of gopher signs.

LIDICKER
1955

Journal

(July 18 cont.)

seen. Also found some droppings which contained rabbit or squirrel vertebrae & were about the size of a fox or small coyote. Checked gopher traps about 1800; had 2 gophers; made 3 more sets. Ned shot another

Sciurus harrisi in Am which I skinned. This time he says it was in a pine tree. Mexicans stopped by camp around 1830. He said there were small white tailed deer around, especially a little higher up; also lots of coyotes. He did not know a zorilla. He calls a gopher a topo, & a Perognathus a tuza. He was hunting cottontails & said there were no liebres in the immediate area. ^{He described Citellus verreauxi & indicated there were also around.}

Earlier in the day he had told Dave that there were leones & lobos in the area also. Set out 22 traps

along rock outcroppings upstream from camp. Was a small amt. of Nestora sign in area. Checked Sigmodon sets about 1815 - nada. Saw sev. Eptesicus at dusk but couldn't get any. Caught a Rana in the stream. Last night I saw a large green Rana in the stream which looked like it might have been pipiens & seemed definitely different from one caught tonight. Hard rain in afternoon & sprinkles in evening. Both today & yesterday we saw a large ♀ hummer around camp which looked like a Blue-throated. When setting out traps caught 1 P. difficilis within 10 seconds after setting the trap. Were several hard showers during the night.

have heard of
chichivaca

LIDICKER

1959

Journal

July 19

Catch: Neotoma - 1 ad. ♀ + 1 juv. (latter discarded)
from same trap - rocky outcrops.

Peromyscus difficilis - 14

Thomomys umbrinus - 2

Also caught a small scaled Sceloporus at base of stump
near camp + ~~later~~ later shot a large scaled black Sceloporus
who was sunning himself on a stump. Picked up traps
including 4 rats set in bunch grass for Sigmodon.
Took walk from about 1000 - 1130 up canyon. Shot
a ♂ Sciurus harrisi. It was in a small oak in a
rocky area about $\frac{1}{2}$ way up E slope of canyon. I
noticed it while squeaking for birds + it seemed as if
it might have been attracted by the squeaking.
Skinned catch minus the difficilis + took a bath
in the creek. Sun was shining from about 0800 to
1415. This is the most sun we've had so far in this
camp. Small amt of rain in late afternoon. While
walking in canyon in AM saw: Mex. Jay, Acorn Woodpecker,
Flicker, Spotted Towhee, Mex. Junco, Robin, Bluebird,
Bewick's Wren, Band-tailed Pigeon, Broad-tailed Hummer,
unident. Hummer, Cow's Flycatcher (singing). Made 2
carnivore sets just before dinner - 1 a no. 4 trap set
near the pct. of a trail + small canyon + another no. 3 trap
in rocky outcrops where I set traps last night. &
Noticed some droppings along ^{this} trail which were about

LIDICKER
1959

Journal

(July 19 cont.)

the size of a large fox or coon; they were placed on rocks along the trail & contained many berries (mangonita?). Also set 4 net traps for Sigmodon in patch of bunch grass up canyon from camp. After dinner set 35 traps in short grass on hill E of camp. Are scattered junipers, small oaks, mangonitas, etc., but in general is very open. Also set 1 Schyler along rocky outcrops below camp. Picked up both remaining gopher sets. Watched for bats from about 1945 to 2030, ~~Saw~~ from new west of hill E of camp. Saw only 2 Eptesicus & got one of them. Both were flying very high. This was the first evening since the night we arrived in camp that there wasn't a light rain at dusk. There is a full moon & it is quite cold. Heard Poor-wills & Whip-poor-wills calling abundantly. Autopsied Peromyscus difficilis for reproductive condition which were to be thrown away: 8 ad. from July 18 -

5 ♂♂ - all with desc. testes

3 ♀♀ - 2 no emb, non-purus, imp.

1 " , purus (fairly recent partus, but not lact.)

14 ad. from July 19 -

8 ♂♂ - all with desc. testes

1 ♂ - testes 11.5 mm, & with scrotum, probably desc. also.

5 ♀♀ - 3 no emb, purus, imp.

1 no emb, app. purus, but with no pl. scars, imp.

1 " , perf., sperm in horns, ripe follicle in oviduct.

5 ad. caught by Dave evening of July 19 -

3 ♂♂ - all with desc. testes

2 ♀♀ - 2 no emb, imp, non-purus.

Several rain showers during night.

LIDICKER

1959

Journal

July 20

Catch: Peromyscus truei - 1 (from shrubs, oak)

Peromyscus difficilis - 4 (2 from wood shrub + logs + 2 from Sigatoka sets in brush grass)

Peromyscus sp (round-faced) - 2 (from fairly open grassland with a few ~~the~~ shrubs - 2 were in adjacent traps).

Nothing in 2 carnivore sets. While picking up 4 rat traps in brush grass saw a large alligator lizard. I backed off + shot it with .38, but this didn't seem to bother it + it ran under the brush grass. I searched through the grass + finally spotted it + grabbed it. While checking carnivore sets, I saw an adult red-tailed hawk. While skinning a mule deer brought in in 2 large Rana, + another fellow brought a ad.

Phrynosoma which he said he caught crossing the rd. I asked this fellow ~~if~~ where Cerro del Jaguay was + he pointed due South + said it was 5 or 6 km. distance. Later I asked another fellow who pointed in the same direction, but didn't know the distance. Neither fellow had heard of Chichonico (+ the latter did not react to a picture of a chipmunk). The 2nd fellow said there were javalinas around + that lobos regularly killed cattle. Started raining about 1600 + continued into the evening. I climbed up the mountain to the ENE of us + set 46 traps in the rim rock near the top. There is also of scrub (8700 ± ft.)

LIDICKER

1959

Journal

(July 20 cont.)

oak around the base of the rocks & lower down mangonita. On top of the mt. is a fairly level area with scrub oak & mangonita. There are quite a few pines high up on the slopes. Saw Acorn Woodpecker, Flicker, Band t. Pigeon, & a small wren which might have been a Bewick's but apparently had no buffy tips to the tail, but fine barring on the ventral side of the tail & a mod. distinct eye stripe; was in scrub oaks. At the base of the rim rocks I could look out & see a large fraction of Aguascalientes. I sketched a map as follows:



Checked 2 rat traps set for Sigmodon in bunch grass while returning from trapline in AM. Had caught nothing. After dinner set 2 more carnivore traps below camp - 1 a no. 2 steel at base of tree in small side canyon to the pre we are camped in, & the other (a #1 jump trap) at base of tree in open valley. Used Peromyscus difficilis as bait. Autopsied 7 P. difficilis from morning's catch which were to be thrown away. All were adults.

LIDICKER

1959

Journal

4 ad. ♂♂ - 3 with desc. testis & 1 ♂ with testis 7 mm, lateral to penis, but no obvious scrotum.

3 ad. ♀♀ -

1 - no emb, non-pregnant, imp.

2 - " , apparently pregnant, but no obvious pl. scars (1 was possibly preg. & the other had a little dried blood on vulva). It's seems possible that these 2 might have just mated & hence the swollen horns, but no definite ripe or ruptured foll. could be seen.

Several showers during night.

July 21

Catch: rim rock (8700 ± ft) (2 traps lost)

Peromyscus difficilis - 18

Neotoma mexicana - 1

Also caught a small hygid which was hopping about on the rocks. Found large carnivore droppings near where 1 of my missing traps were. The droppings were $\approx 15/16$ of an in. in diameter, were light colored, & contained mangonita berries. Of 2 traps in brush grass, caught 1 P. difficilis. Patched these 2 traps up & reset 2 rat traps about $\frac{2}{3}$ of way up slope to rim rock in grassy area where were runways & burrows which looked just like those of Tigriodon minimus. One of carnivore sets (#2 trap) had been sprung but caught nothing. Saw Painted Redstart while picking up traps. Also found the nest of a Mex. juncos which was on the ground in the oak thicket & contained 3 eggs. After skinning woodrat & 4 Peromyscus, I washed out 4 pairs of socks, taking advantage of a small ant. of sunshine we had in the middle of the afternoon. It started raining about 11:00 & continued until mid afternoon. Autopsied 12 unskinned Peromyscus

LIDICKER
1959

Journal

difficilis from 8700 ± ft. Were 9 ad. ♂♂ - all w/ desc. test.

3 ad. ♀♀ : a) no emb, ind, parova

b.) imp., 2 watery bulges in left horn (prob. very early emb.) which were just sl. larger than the horn width, 2 large c.l. in left ov.; not virgin.

c.) recent portions of 2 emb but does not seem to be last.; uva swollen, 1 ripe foll. w/ very new cl. in ~~left~~ each ovary; no obvious older c.l.; nipples medium.

Climbed back up on mountain & set 42 traps among rocks for Nelsonia. Found droppings on one rock which was apparently Bassariscus. They were small, dark, & pointed, & contained fur.

I set a ~~Sighe~~ Schyler trap near where I found the droppings.

Went up on open grassy hill at dusk to watch for bats.

At 2000 an Eptesicus went over high, but I saw it too late. This was the only bat I saw in spite of the fact that conditions seemed ideal - calm, not raining, & not too cold.

Had late dinner, after which I took some more bait to one of my skunk sets. Dave went hunting in Pm & shot 1 Sylvilagus floridanus (near a rock wall up the canyon) & 1 Sciurus harrisi. On way up to set traps in late afternoon, picked up 2 rat traps set for Sigmodon minimus; both contained S. leucotis (#S 2104 & 2105). Were several rain showers during night.

July 22

Picked up traps on mountain. Catch: Peromyscus difficilis - 16. Also picked up another one of those small hybrids, which was hopping about on rocks. Lost 2 traps. Flushed a ♂ meadow Quail on way up hill. Also heard Ravens, saw Bluebirds, Spotted Towhees, Epidornis fulvifrons.

L. DICKER

1959

Journal

(July 22 cont.)

(this is the 3rd time in this camp that I've seen this species feeding in open grassland), Wh-eared Hummingbird, & another hummer which seemed to have a solid rufous back. Nothing in carnivore sets, although one (a #2) had been sprung. Returned to camp & skinned 2 Sigmodon & some Peromyscus caught by Ned. Our Mexican friend stopped by camp with another Phrynosoma. He offered to try & shoot us a javalina. I offered him 25 pesos for 1. I also asked him about Barranca del Rico, & he said that it is the one near the "fancy house" which I have been indicating as such on my previous sketch maps with a question mark. He also said there were no "tigres" around, but were leones & lobos. After lunch (~1500) I headed back up to the rim rocks on the adjacent mountain. I set 42 traps, including 3 ser. hundred feet lower than the rest, & 2 sets for Bassariscus. I had picked up in AM the small jump trap set in open meadow below camp. I set this with 4 P. dipiditis carcasses hung above the trap, & also a Schyler with 2 dipiditis bodies for bait. The steel set was made near where I had found the Bassariscus droppings yesterday & also near where I had found ser. fresh droppings this morning. Were very fresh skunk tracks on the trail leading to my no 4 trap on the side of the hill. While setting traps I ~~saw~~ saw a small group of Black headed Grosbeaks, & shot one. Also saw W.L.W. Nuthatch & heard what I

LIDICKER

1959

(July 22 cont.)

thought was Rock Wren. After dinner I added bait to my no. 1 trap & also to my other no. 2 trap. Set out 15 mus. Spec. in rocky crevices along canyon wall above camp in places which were more open with smaller rocks than ~~that~~ like what I have mostly been setting up to now. Several light showers in late afternoon & in evening. At dusk watched for bats on the slope E of camp & in the canyon bottom. Saw none. Ned saw quite a few Myotis velifer & shot 1 flying around ~~and~~ among the oaks on the slope W of camp. There was a moderate amt. of wind blowing during this time. Heard Canyon Wren sing from one of rim rocks where ^{my} traps are set. The Mexican I was talking to this afternoon said that the area in which we are camped & particularly the valley below camp is called "Tamascalas". He couldn't write or read so he couldn't check my transliteration. After dark I autopsied the P. difficilis which were to be thrown away. The 16 ad. from 8700 ± ft. were as follows:

- 7 ad. ♂♂ w/ desc. testes; 1 ad. ♂ w/ test. 5.5 mm, inactive;
1 ad. juv. looking ♂ with testes 8 mm, not desc. + epid. tub. not distinct.
7 ad. ♀♀: a) imp., no emb., 5 pl. scars, nipples lg., but not lact.
b) imp., no emb., non-purulent
c) perf., 2 emb. x 17 mm.
d) imp., no emb. but lightly hatched; horns sl. enlarged;
2 cl. in rt. ov. + 1 in left.
e) imp. 3 emb. x 5 mm; rt. ov. w/ 1 cl. (1 emb. in rt. horn); 2 cl. in left ov. (2 emb. left horn).
f) imp., 2 emb. x 16 mm (1 cl. + 1 emb. in ea. side)
g) imp., 4 emb. x 11 mm. (2 each horn); rt. ov. w/ 2 cl., left ov. w/ 3 cl.

LIDICKER
1959

Journal

(July 22 cont.)

13 ad. P. difficilis from 8200 ± ft. were as follows:

8 ad. ♂♂ - all w/ desc. testes.

5 ad. ♀♀:

- a.) no emb, imp., non-porous
- b.) " , perf. or lightly healed, horns sl. enlarged, 2 cl. in rt. ov., + 1 lg. foll.; 1 cl. + 2 c.a. in rt. ov.
- c.) no emb, perf. or lightly healed, horns sl. enlarged; rt. ov. w/ 2 cl., left ov. w/ 3 cl.
- d.) imp.; not eaten by some carnivore (as was front $\frac{1}{2}$ of animal)
- e.) no emb, imp., horns sl. enlarged; 1 c.a. + 1 burst foll. on rt. ov.; left ov. w/ 2 c.a. + 2 burst foll.

Caught a small Sceloporus in short grass around camp (#2111).
This was the first night with little or no rain.

Bird list for this camp:

Turkey Vulture

Red-tailed Hawk

unident. Accipiter (about size of ♀ Cooper's Hawk) - WZL

Mearns Quail - fairly com.

Band-tailed Pigeon - com.

Otus trichopsis (NKJ coll. 2) - I also heard them

Gr. H. Owl - NKJ

Elf Owl? (Ned thought he heard them)

Whip-poor-will - heard about 1 night & occasionally other nights

Poor-will - heard abundantly

White-eared Hummingbird - freq. (sev. nests found)

Broad-tailed " - com.

Rivoli "

unident. Rufous-backed species - WZL (back appeared solid rufous)

LIDICKER

1959

Journal

(July 22 cont.)

resident trogon - 1 heard first morning in camp + possibly second.

Red sh. Flicker - com.

Acorn Woodpecker - com.

Dendrocopos sp. (Dave saw 1 + Ned saw 1 flying over, I heard a possible note)

Cassin's Kingbird - few

Contopus pertinax - com.

Contopus richardsonii - Ned shot 1 but did not save it.

Epitoxos fulvifrons - freq.

Vermillion Flycatcher - specimen (only 1 seen)

Violet-gr. Swallow - com over meadows

Raven - heard croaking a no. of times

Mex. Jay - com.

Steller's Jay - NKJ + DT (1 specimen)

Scrub Jay? (WZL) - 1 seen in oak ~~near~~ the hat.

Parus wollweberi - NKJ + DT

Bush-tit (black-eared) - troupes seen frequently

Wh-br. Nuthatch - com.

Bewick's Wren - sev. seen

House Wren - sev. seen

Rock Wren - sev. seen on rim rock

Canyon Wren - 1 heard singing from rim rock

Curve-billed Thrasher - com.

Robin - freq. esp. on higher slopes

Bluebird (probably W - at least some have rufous backs)

Agave Thrush? WZL

Hutton's? Vireo - 2 spec.; sev. others seen.

Painted Redstart - sev. seen.

L. DICKER

1959

Journal

Hepatic Tanager? Dave saw a red bird in pines at distance

Black-headed Grosbeak - freq. on higher slopes (specimen)

Lesser Goldfinch - few.

Mex. Junco - abund.

Black-headed Siskin - 1 (NKJ)

Striped Sparrow (abund.)

Spotted Towhee - abund.

Brown Towhee - 2 in meadow (NKJ)

House Finch - 3 (NKJ)

July 23

Picked up traps. Catch: Rim rock - Neotoma mexicana - 1

Peromyscus dipipilis - 9. In addition I lost 8

traps including 2 rat traps apparently to carnivores,
+ at least 3 more traps apparently robbed by carnivores.

Had Saylor trap sprung & dragged, but nothing in it.

Other Bassariscus set was untouched. While on hill

I saw a Thrush (gave thrush call note) which acted like
a robin, but was white ventrally, had a white border to
the end of the tail + had dark markings of some kind on the

head. Also saw Rock Wren, Spotted Towhee, + heard
pennant Quail. In 15 traps on rocky slope above camp I

had 10 P. dipipilis. Checked other 3 carnivore sets +

brought in both no. 2 steels, leaving out only the # 4
which had some of the bait scattered. Skinned ^{Black-headed Grosbeak} Neotoma,

2 dip., + 2 Neotoma + a Sigmodon of Davis. No. 2117

LIDICKER

1959

Journal

(July 23 cont.)

was caught on a fairly dry slope by a small ^{wood-net} house built in a beaver-tail clump. No. 2118 was taken from a rocky slope just below camp. Packed away some specimens. Rain started about 1500 + stopped ~~at~~ about 1700. I took 1 of the 2 #2 steel + 2 woodnet carcasses + climbed back up on the mt. Rebaited Bassaris set already out - with 1 Neotoma carcass + 1 Spotted Towhee (partly killed). Made additional set using 1 wood-net carcass + 1 Blk-headed Grosbeak (partly killed) as bait. Returned to camp for dinner. It began to rain again about 1900. Dave took last no. 2 steel + set it also on mt. using 2 Mex. Jays for bait. I watched for bats in encinal on slope to W of camp. Saw several Myotis velifer (apparently) but couldn't get any. Shortly after they began to fly it began to rain harder + they disappeared. Autopsied throw-away P. dipipilis after dark + compiled bird list for camp with Ned.

13 ad. P. dipipilis from open grassy hillside (NKT) 8200 ± ft with scattered oaks + junipers, + also some scrub oak with heavy grass + rocks.

9 ad ♂♂ - all with desc. testes.

4 ad ♀♀ - a) no ems, parous, lightly healed vulva.

b) " " " imp.

c) " " imp., 9 pl. scars

d) " " parous

10 ad. from open rocky slopes above camp (WZL), 8200 ± ft.

4 ad. ♂♂ - all w/ desc. testes

6 ad ♀♀ - a) 3 ems X 3 mm (2 rt, 2 cl. rt., 1 emb. lt., 1 cl. lt.)
imp.

b) imp., lightly healed, non-parous; ovaries w/ sev. lg. foll.

c) imp., non-parous, no ems

d) " " "

e) " " " 2 cl. in rt. ov.;
red. sized foll. in lt.

LIDICKER

1955

Journal

- b.) imp., parous, no emb.; 2 cl. in rt. ov.
9 ad. from rocky areas along stream (DT.), 8200 ± ft.
6 ad ♂♂ w/ desc. testes
1 ad ♂ - test. not clearly desc., 5 mm, epid. tub. visible anteriorly
2 ad ♀♀ - a.) perf. w/ lightly healed, no emb., parous,
1 cl. in rt. ov., 2 in lt.
b.) imp., 5 pl. scars, 1 cl. in rt. ov., 3 in lt.;
no emb.
11 ad. from dry grass & shrubs (3 in rock walls) (DT.), 8200 ± ft.
This group separated to some extent from area around camp
by open ground.
7 ad. ♂♂ - all w/ desc. testes
4 ad ♀♀ - a.) 2 emb x 21 mm., 1 in ea horn, 1 cl. in ea. ov.
This indiv. probably from mangrove - oak scrub (DT.)
b.) imp., parous, no emb.; 6 cl. in lt. ov. (2 age
groups of 3 ea.); 1 cl. in rt. ov.
c.) 2 emb x 27 mm. both in rt. horn, 2 cl. in
rt. ov., none in left; imp.
d.) imp., parous, 7 pl. scars, nipples red; 3 lg.
follic. in lt. ~~horn~~ ov. + 1 in rt.
9 ad. diff. from rim rock (WZL); 8700 ± ft.
6 ad. ♂♂ - all w/ desc. testes
3 ad. ♀♀ - a.) imp., 3 emb x 13 mm, 1 emb in 1 cl. on rt.
side, 2 ea. on lt.
b.) imp., parous, no emb, vulva sl. bloody,
3 cl. in rt. ov., 1 in lt.
c.) imp., 6 pl. scars no emb, 6 cl. in lt. ov.,
none in rt. total of both horns.

July 24

Picked up carnivore sets. The rotten difficilis which I
had left scattered about 1 steel set were gone, but the
trap was not touched. The other set also was not
touched. Dave had the bait stolen from 1 of his traps
but also caught nothing. We packed up the camp
& left at 1006. Saw a Sylvilagus & Brown Towhee
near camp. 4 mi. from camp we entered the large barranca.

LIDICKER

1959

Journal

(July 24 cont.)

where we had seen the rock squirrel on the way in
+ saw another in almost the exact same spot. We
asked to men about the name of this barranca + as
we suspected it was Barranca Juan Francisco.
At La Corgoja (9.4 mi. from camp) we saw a Sparrow Hawk.
Beyond La Corgoja (1.7 mi further) we stopped + took a picture
of the Sierra de la. This was just before the road goes
over the crest into the valley of ^{the} Pasa Calle. 2.8 mi from
La Corgoja we saw another couple of rock squirrels.
This was along the steep east slope of the ridge.
About $\frac{1}{2}$ mi below our old camp (night of July 15)
we saw a Scaled Quail + brood of ^{about 8} $\frac{1}{2}$ grown eggs. Dave
jumped + out + shot 4 of the eggs with 1 shot, +
while picking up the shot eggs, he saw a rat snake
which he also collected. This was slightly less than
3 mi. above a small town where the road makes a
rt. & bend. We asked about the name of the town
+ the answer sounded like San Antonio de los Rios.
Just beyond this village we saw a ground squirrel
which looked like C. spilosoma + 3 Mourning Doves.
We also shot a Sceloporus + another 1 half a mi. further.
Half mi. further we saw Blue Grosbeaks + Vermilion
Flycatcher. 5 mi. beyond San Antonio we saw a Say's
Phoebe + shot a third Sceloporus. About 1 mi. further
we saw a Shrike + a Mockingbird, + 2.5 mi. before
San José de Garcia (this is apparently the name of

LIDILKEN

1959

(July 24 cont.)

the town where the pavement begins + which we had been calling Col. Presidente Calles). We saw another ground squirrel which looked like C. spilosoma. Just a half mile before the town we crossed a small stream which ~~for~~ flowed into the presa. We saw a couple of women drying fish into nets + so we stopped + bought 2 individuals from them, + preserved them. The main highway is 9 mi from San Jose de Bocan. We went S to Aguascalientes where we went to the post office, had lunch, + did some stopping. Then we headed W toward Calvillo. 8 mi. from Calvillo we thought we saw a group of Red-eyed Cowbirds, 1 mi further we saw a Raven + a Brown Towhee; 3 mi. further a Shrike. About 3 mi. from Calvillo we saw a Vermillion Flycatcher, a flock of about 20 Barn Swallows + a Mockingbird. $\frac{1}{2}$ mi further we saw Rusty R. Grackles + Dove Doves, ~~under~~ just over 1 mi from Calvillo we saw another Vermillion Flycatcher. We crossed the river to the N of Calvillo + headed on a dirt rd. to the NW (W of the rd. to La Labor). About a m. down this road we saw a Curve-billed Thrasher, + 3 mi. further a Synthyris. We camped about 6 mi. down this road ($4\frac{1}{2}$ mi. NW Calvillo). We saw another Synthyris around camp + I got an ad. Rana. We set out traps at dusk. I set out only 26 traps in dusk areas including 2 Neotoma.



IDICKER

1959

sets. We watched for bats & I saw 1 flying fast & low. Also heard a few flying over high, but couldn't see them. Also set 15 traps in open mesquite, cactus, etc.

July 25

Catch: 26 traps in lush areas - Peromyscus pectoralis - 2, Neotoma - 1, Baiomys - 5, Perognathus nelsoni - 1, Liomys - 5, & Peromyscus maniculatus - 2

15 traps in open - P. maniculatus - 7 & Dipodomys ornatus - 1. Skinned catch. That evening set out 11 traps in small canyon behind camp (quite lush) & made 3 carnivore sets. Also laid out 3 traps for Sigmodon. Saw a large Sigmodon run into vegetation from path while setting traps. Strung both bat bats across small canyon where Dave had seen a number of bats flying low last night. At dusk I saw 1 bat which went by fast & I didn't get a shot at it. Also heard sev. go over high again. Also skinned a egg. Sylvilagus which Ned had shot. Dave also saw sev. Sigmodon & made 3 carnivore sets.

July 26

Catch: Nothing in carnivore sets or Sigmodon sets (left out 3 Sigmodon sets). of 11 traps behind camp had 1 Sigmodon hispidus (juv.) & 1 Liomys. Skinned these & a Perognathus caught by Dave & a rock squirrel shot by Ned yesterday. During

LIDICKER

1959

(July 26 cont.)

Previous evening I heard a frog call from a rocky area along one of the small canyons which had ~~not~~ pools of water in it which sounded like a *Leptodactylus* of some sort. About lunch time I spotted a pair of Bob-white feeding on the opposite side of the small canyon behind camp. Dave was in the bottom of the canyon + I guided him to them + they ran off into the brush. He flushed them + shot the ♂ which I skinned. Bob-white incidentally were abundant around camp. We also heard quite a few meadow Quail + Seeded Quail. The ♂ Bob-white (WZC #2144) had its crop full of prickly pear fruit + a few odd seeds. It also had a piece of a leaf, but no insects or bulbs. About the middle of the afternoon we packed up + moved camp. Returned to Calvillo + then took road N to La Labor. The rd. apparently ends at La Labor + we returned about $\frac{1}{2}$ mi. to camp on the slope above the road. It was open shrubland with small trees + prickly pear. I set out about 25 traps along the edges of a meadow + near the river in brushy + grassy areas. While setting traps I saw a large *Sigmodon* ~~leucurus~~ Watched for bats at dusk, saw one, but couldn't get it. Ned saw several (sev. sizes) flying near the trees along the road. I was watching near the river. Most of our activities were hampered by constant visits of mexicanos. Were several light showers during the



LIDICKER

1959

night. Ran trapline before going to bed.

July 27

Catch: Peromyscus maniculatus - 9

Bassaris - 4

Sigmodon hispidus - 1 (juv.)

One of the fellows from La Labor brought us 2 juv. specimens of Rattus rattus. We began to skin catch, but we were bothered so much by Mexicans that we quit skinning & packed up camp & left about 1330. Nick shot a Momotus mexicanus, a pygmy owl, & a vesper sparrow in this camp & saw several more hot-nots.

On way back to Colville we saw a number of Citellus variegatus along rock walls. About $4\frac{1}{2}$ mi. by rd. N of Colville we saw a pair of Bob-white cross the road & Dave got them both with 1 shot.

We continued E toward Aguascalientes, but turned S on the road to Villa Hidalgo & shot way W of the city. We began checking for the state line & finally found it approximately (although there was some disagreement among our informants). We returned N until we were about 3 km. N of the boundary & camped. This is an open area with scattered shrubs & small trees & some prickly pear, but with ground almost completely covered with grass. We saw what must have been an Citellus phloxzone right near camp. After setting up

We returned to previous camp to pick up 3 Sigmodon traps which I had forgotten yesterday.

LIDICKER
1959

Journal

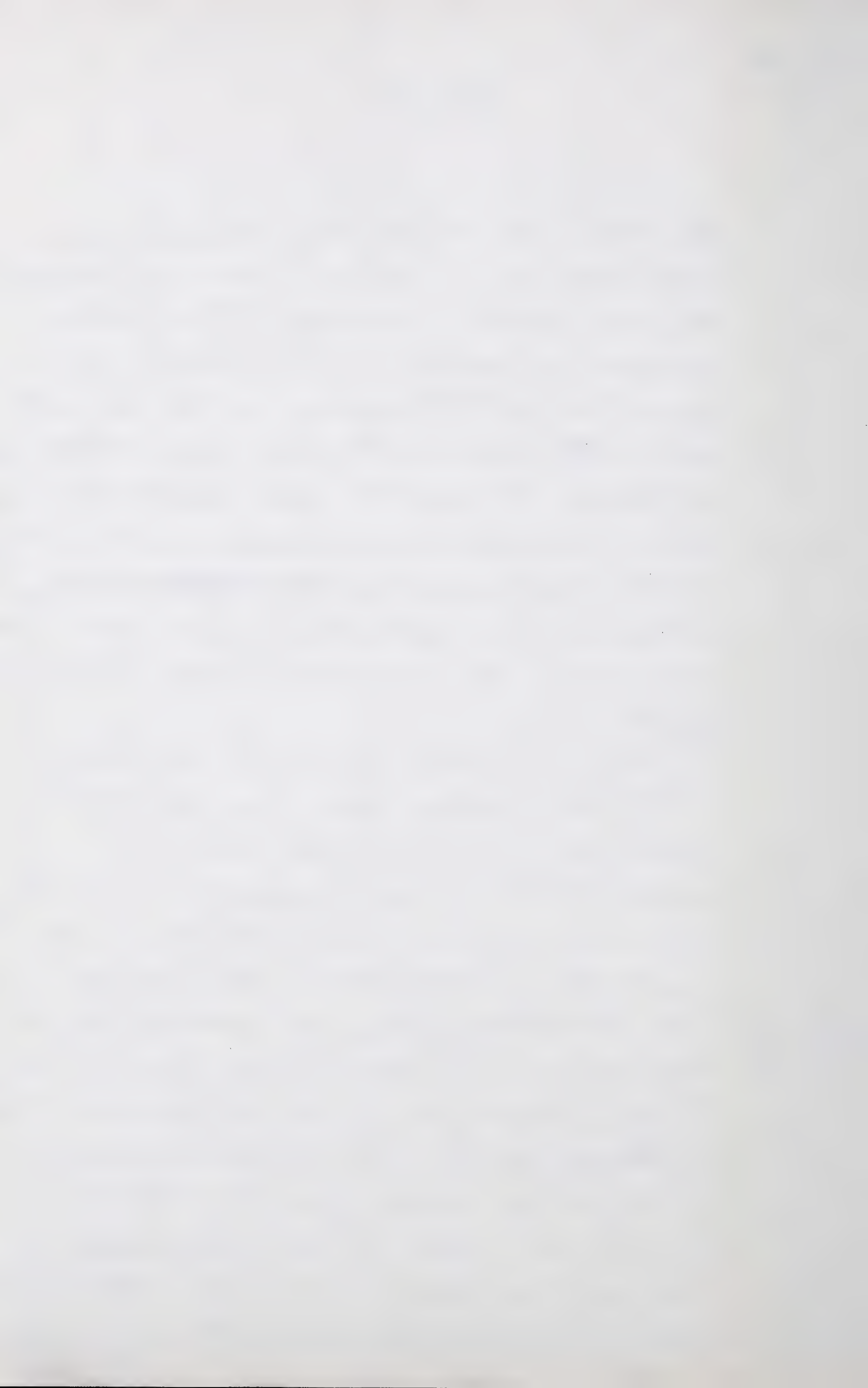
the tent, I set out 34 traps in the grassy areas, under shrubs, etc., & also in the more open areas near the road & including 4 sets for Citellus (by holes). At dusk we watched for bats. I heard a number go over high, but didn't see any. A local resident told us that there were both jack-rabbits & cottontails in the area. Heard frogs calling from pond to W of camp. Ran trap line before going to bed, but caught nothing. Shot 1 Dipodomys ornatus. ~~Heard meadowlarks singing~~ Heard quite a few night hawks (C. minor) around at dusk. Was almost no rain during night. Skinned until quite late.

July 28

Picked up traps, but reset 2 of the rat traps at better looking Citellus burrows & left out total of 4 rat-traps. Catch: D. ornatus - 2

Heard meadowlarks singing; songs sounded like they began with the W. song & ended with the E. Also saw a pair of Scaled Quail & heard a number of Bob-white calling. Skinned catch, packed up camp & left about 11/5. This camp was 2 mi. by rd. S of Los Caños, & 13.8 mi. by rd. S of jct. with Calvillo rd. Agave, ^{about} 5 mi. beyond this jct. In Aguascalientes we went to the post office, bought gas & then headed for Guadalupe. About 1 mi. E of Desperdicio we saw a ground squirrel run across the road which may have been a C. merriami, or variegatus. 4 mi. W of

set up 4 rat
traps; catch: none.



L. DICKER

1959

Journal

Jalostotitlan I saw a ♂ Bob-white. I got a good look at it & noticed its rusty underparts. We got to Guadalajara in time to do some shopping in the mercado. Then we got a hotel, had dinner, & a cerveza.

July 29

Continued W & N to Nayarit. Saw a Mex. Ground Squirrel somewhere near Tequila. 21 mi. S (by Rd) of Ixtacan del Rio (Nayarit) we stopped & saw saw a no. of Ammodramus ruficauda - some were singing. 3 mi. S of the jct. to San Blas we stopped again. Ned saw a chat, & I saw a woodpecker which had a barred back & golden yellow rump & probably crown. I couldn't see its ventral side. 8 mi. N of the San Blas jct. we saw a beaded lizard run across the road (Heloderma). 10 mi. N of this jct. we stopped by a small pond & saw:

Pied bl. Grebe - 2
Mexican Grebe - 4 (saw 1 Pied bl.

close a Mex. Grebe in the air; the Mex. Grebes in general seemed shyer staying more in the fringes of the vegetation.

Derby Flycatcher - 3

Vermilion cr. Flycatcher (similaris) - 6+

"Buff-rumped" Seedeater - 4

Boat H. Grackle - sev.

Amer. Egret - 1

Snow-billed Ani - 2

Jacana - 2

LIDICKER

1959

Journal

(July 29 cont.)

Mex. Cormorant - 2

And. C. caracara - 1

1 mi. beyond this point the road crosses the Rio Santiago. 10 miles N of the Rio we saw a DOR armadillo. 1 mi. further we saw an oriole of the hooded type. I could see the black throat patch & that the head & neck were brighter orange than the ~~the~~ belly; it was larger than an ordinary hooded oriole. We also saw 2 parakeets here which had bluish wings & probably an orange forehead, & also another Vermilion-cr. Flycatcher. 26 mi. N of San Blas turnoff we saw a Green Heron, & 2 mi. further there was a DOR cat of some sort which was about the size of a ^{large} ~~small~~ house cat, had a black tail with whitish ring, faint brown spots on a tan background. In the stretch from 19 mi. N of Rio Santiago to 25 mi. N we saw 10 Jacanas. We also saw several more Mex. Grebes, a number of Amer. Egrets & a lot of Blue-black Grosbeaks. 27 mi. N of Rio Santiago we saw a Pale-billed (Gundlach's Ivory-billed) Woodpecker. There were also fork-tailed Kingbirds all along the road. 38 mi. N Rio Santiago we saw a Meadowlark & 10 mi. further 2 Yellow-winged Caciques (we had been seeing many nests - but since this was the hottest part of the day, we hadn't seen any of the owners). 53 mi. N Rio Santiago we found 2 large iguanas DOR - we saved the smaller which was in better shape. Another mi. down the road we stopped

LIDILKOR
1959

Journal

(July 29 cont.)

to watch a group of large jays which were blue bodied, black headed, & were very large (at least 16"). We noticed some individuals with yellow bills which were begging for food although apparently full-grown. At this spot we also saw what was apparently 4 orange-fronted parakeets. 1 mi. further we saw another green heron, & in 5 more mi. a yellow cr. Night Heron (ad). 29 mi. S of (by rd) Escuinapa we began seeing Elegant Quail; we saw a pair at this point & also picked up a live kinosternid of some sort. In the next 8 mi. we saw 4 more pairs of Elegant Quail, & shot 1 ♂ at 21 mi. S (by rd.) Escuinapa, & also 1 Aud. Cuckoo. 15 mi. from Escuinapa (S) we saw another jacana & a flock of parrots. 8 mi. S of Escuinapa we picked up a Heloderma DOR. 1 mi. N of Escuinapa we saw a Mex. Cormorant, & 13 mi. N we crossed over a large river. 6 mi. N of this river we saw 2 white-winged doves. 3 mi. further we saw another jacana & a flock of 12-15 black swifts. We continued to Mazatlán where we arrived about dusk. We had dinner there after checking the mercedes & finding it in the process of closing. We continued N to Culiacán where we bought gas & then drove about $\frac{1}{2}$ mi. S & off on a dirt road where we threw out our sleeping bags for a few hours at about 0300.

LIDICKER
1959

It was ~~is~~ still quite warm with a few mosquitos.

July 30

We got up about 0600 & went into Culiacan. We bought some food & a couple of baskets & continued N. We saw Black-bellied tree ducks flying over Culiacan. 57 mi. S of Guamuchil we saw a small group of juncos which had green wings. 10 mi. further we saw a Lineated Woodpecker (this is 2 mi. S Agua Salada). 2 mi. N of Guamuchil we saw ground doves & w. w. doves. About 8 mi. S of the Los Mochis turnoff we found a large snake DOR which was black with yellow splotches on its belly, but it was in bad shape so we left it. Sev. miles N of the Los Mochis jct. I saw 2 large squirrels which looked like rock squirrels but were quite brown. We had lunch in Navojon (late). 39 mi. S of the jct. to Benjamin Hill the truck hit a sparrow hawk which we kept. 12 mi. N of this jct. we had a good look at a Carracora; 13 mi. N of jct. is Est. Llano. It got dark between Santa Ana & Magdalena. After going through customs in Nogales we had a late snack in Nogales, Ariz. Then we continued on to Tucson, Casas Grandes & toward Yuma.

July 31

It got light as we pulled into Yuma. We had breakfast in Holtzville & continued N to Indio

LIDICKER
1959

Journal

(July 31 cont.)

+ San Bernardino; lunch in Bakersfield; continued
N to Berkeley where we arrived about 2215.

